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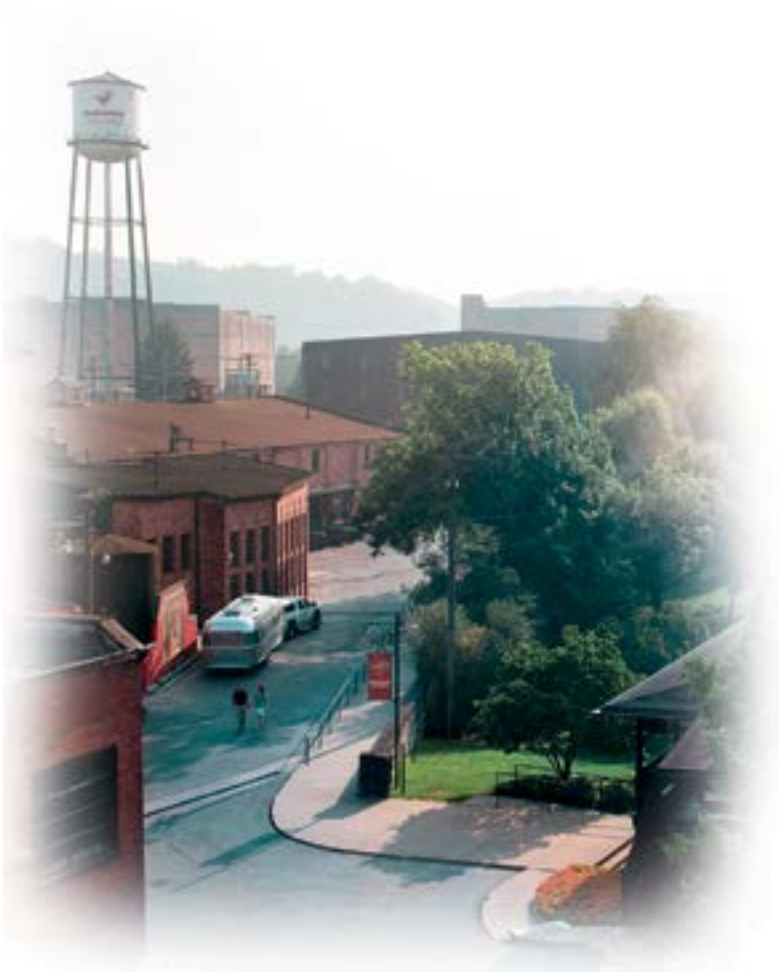
Owner's MANUAL



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Airstream Classic Owner's Manual

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Section 1
INTRODUCTION

The Owner's Manual for your new Airstream trailer is designed to respond to the most frequent inquiries regarding the operation, function, and care of the many systems that make modern trailering a joy.

Airstream realizes our customers possess varying degrees of expertise in the area of maintaining and repairing the appliances in their trailer. For this reason, the service information found in this manual is directed toward those with average mechanical skills.

We also realize that you may be more familiar with one area than you are with another. Only you know your capabilities and limitations. We want you to use this manual and hope you will find the information contained in it useful. However, should you ever feel that you may be in need of assistance, please consult your Airstream dealer for advice on service that may be required.

A brief explanation of the operation of the appliances such as refrigerator, furnace, water heater, and others, are explained in this manual. However, you will also find the manufacturer's information, supplied in a packet included with this manual, to be more detailed.

All information, illustrations, and specifications contained in this manual are based on the latest product information available at the time of publication approval. If and when new materials and production techniques are developed that can improve the quality of its product, or material substitutions are necessary due to availability, Airstream reserves the right to make such changes.

We have provided many important safety messages in this manual. Always read and obey all safety messages.

WARNING

A warning is used for a hazardous situation which, if not avoided, could result in death or serious injury to persons.

CAUTION

A caution is used to advise caution when performing actions that could result in minor or moderate injury to persons and/or damage to equipment.

NOTE

A note is used to address practices not related to personal injury. This applies to hazardous situations involving property damage only.

Optional items may be available on all, or particular models. Additionally, some optional items can only be included during the manufacturing phase and cannot later be added to the trailer.

The inclusion of optional items information in this manual does not imply or suggest the availability, application, suitability, or inclusion for any specific unit.

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Section 2
SAFETY

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Safety Precautions

Many things can be construed as safety related, but the most important is your common sense. If you are careless with matches, cigarettes, flammable material, or any other hazardous material, you surely realize your potential for accidents is greatly increased.

You will find many safety recommendations in this section and throughout the manual. The following recommendations are the ones we consider to be the most important.

Transporting of Passengers

The transporting of people in the trailer puts their lives at risk and may be illegal. The trailer does not have seat belts, therefore, it is not designed to carry passengers.

Towing and Weight Distribution

Weight distribution is an important factor when loading your travel trailer. A recreational vehicle with the cargo distributed properly will result in efficient, trouble-free towing. Refer to Section 7 - Towing for more information.

Controlling Sway

Sway or fishtailing is the sideways action of a trailer caused by external forces. Excessive sway of your travel trailer can lead to the rollover of the trailer and tow vehicle, resulting in serious injury or death. Refer to Section 7 - Towing for more information.

Lug Nut Torquing

Making sure wheel mounting nuts (lug nuts) on trailer wheels are tight and properly torqued is an important responsibility that trailer owners and users need to understand and practice. Inadequate and/or inappropriate wheel nut torque (tightness) is a major cause of lug nuts loosening in service. Loose lug nuts can rapidly lead to a wheel separation, resulting in potentially serious safety consequences. See torque pattern in Section 8 - Maintenance for tightening sequence, and follow torque specifications in Section 4 - Floor Plans and Specifications.

Tire Safety

Properly maintained tires improve the steering, stopping, traction, and load-carrying capability of your vehicle. Refer to Section 8 - Maintenance for tire care and safety information. Also, be sure to read the Tire Safety Manual Addendum included with your owner's packet.

Appliances and Equipment

The appliances (stove) and equipment (hot water heater, furnace, etc.) typically operate on liquefied petroleum gas. LP gas is flammable and is contained under high pressure. Improper use may result in a fire and/or explosion. Make sure to follow all instructions and warnings in this manual as well as those in the specific owner's manuals of the appliances and equipment.

Mold

Mold and mold spores exist throughout indoor and outdoor environments. There is no practical way to eliminate all mold and mold spores in the indoor environment; however, the way to control indoor mold growth is to control moisture. Refer to Section 3 - General Information for information on controlling condensation and molds.

Chemical Sensitivity and Ventilation

Chemical Sensitivity

Immediately after the purchase of your new recreational vehicle, and sometimes, after it has been closed up for an extended period of time, you may notice a strong odor and/or experience a chemical sensitivity. This is not a defect in your recreational vehicle. Like your home, there are many different products used in the construction of recreational vehicles, such as carpet, linoleum, plywood, insulation, upholstery, etc. Formaldehyde is also the by-product of combustion and numerous household products, such as some paints, coatings, and cosmetics. However, recreational vehicles are much smaller than your home and therefore, the exchange of air inside a recreational vehicle is significantly less than in a home. These products, when new or when exposed to elevated temperatures and/or humidity, may off-gas different chemicals, including formaldehyde. This off-gassing, in combination with the minimal air exchange, may cause you to experience irritation of the eyes, nose, and throat, as well as sometimes headache, nausea, and a variety of asthma-like symptoms. Elderly persons and young children, as well as anyone with a history of asthma, allergies, or lung problems, may be more susceptible to the effects of off-gassing.

Formaldehyde

Formaldehyde is a naturally occurring substance and is an important chemical used widely by industries to manufacture building materials and numerous household products. It is also a by-product of combustion and certain other natural processes. Thus, it may be present inside the trailer with some individuals being sensitive to it. Ventilation of the unit normally reduces the exposure to a comfortable level.

Trace levels of formaldehyde are released from smoking; cooking; use of soaps and detergents, such as carpet shampoos, cosmetics; and many other household products. Some people are very sensitive to formaldehyde while others may not have any reaction to the same levels of formaldehyde. Amounts released decrease over time.

Your Airstream trailer was manufactured using low formaldehyde-emitting (LFE) wood products, use of which is typical in the recreation vehicle industry. Formaldehyde has an important role in the adhesives used to bind wood products used in recreation vehicles. The wood products in your trailer are designed to emit formaldehyde at or lower than industry guidelines and should not produce symptoms in most individuals.

While LFE wood products typically do not emit formaldehyde at a level that would cause symptoms in most individuals, it is possible, though not likely, for that to occur when the trailer is not properly ventilated. Ventilation is an essential requirement for trailer use, for many reasons. Any effects of formaldehyde can be greatly reduced by actions such as opening windows, opening roof vents, running the air conditioner, or some combination thereof. In addition, the emission of formaldehyde by these products naturally decreases rapidly over time.

Airstream strongly suggests that you take measures to properly ventilate your trailer on a regular basis. If you have any questions with respect to proper ventilation of your trailer, please do not hesitate to contact your dealer or Airstream.

Ventilation

To reduce or lessen exposure to chemicals from off-gassing, it is of utmost importance that you ventilate your recreational vehicle. Ventilation should occur frequently after purchase and at times when the temperatures and humidity are elevated. Remember, off-gassing is accelerated by heat and humidity. Open windows, exhaust vents, and doors. Operate ceiling and/or other fans, roof air conditioners, and furnaces. Use a fan to force stale air out and bring fresh air in. Decreasing the flow of air by sealing the recreational vehicle increases the formaldehyde level in the vehicle's indoor air.

Do Not Smoke

It is recommended you do not smoke inside your recreational vehicle. In addition to causing damage to your recreational vehicle, tobacco smoke releases formaldehyde and other toxic chemicals.

Medical Advice

Questions regarding the effects of formaldehyde on your health should be submitted to your doctor or local health department.

Alarms and Detectors

Smoke Alarm

A smoke alarm is provided with your trailer. A manual pertaining to the alarm is included in the paperwork given to you at the dealership. Please read and follow all care, maintenance, and safety information contained in the smoke alarm manual.

The smoke alarm will beep once a minute for at least 30 days when the battery is weak. The battery must immediately be replaced with a fresh one.

WARNING

Alarm battery is shipped deactivated. Check your alarm for proper battery installation. To activate battery, new Airstream owner's must install included battery to proper orientation.

WARNING

Smoke alarms have a limited life. The unit should be replaced immediately if it is not operating properly. You should always replace a smoke alarm after 10 years from the date of purchase. Write the purchase date on the space provided on the back of unit.

If service is required or you have not received a smoke alarm user's manual, please contact the manufacturer, your dealer, or Airstream Customer Service.

Liquid Propane Gas (LPG)/Carbon Monoxide (CO) Detector

This detector has a five-year life; see end-of-life notification in the detectors manual. Please read the entire detector manual before operating the unit.

The LPG/CO detector is located in the galley area. LPG is a mixture of gases produced and sold commercially as a fuel for heating and cooking appliances. LPG is highly flammable and, as a result, can be explosive if ignited under certain circumstances. LPG is heavier than air and, if confined in a closed space, will accumulate close to the floor. The LPG/CO detector is designed to alarm when propane gas exceeds 10% of the lower-explosive-limit for more than 30 seconds or if CO gas reaches unsafe levels. When propane gas is detected the horn will sound with constant beeps and the red LED will be on. If CO gas is detected the horn will sound with 4 rapid chirps followed by a 4 second pause and the red LED will flash rapidly.

Your LPG/CO detector is wired directly to your trailer battery and incorporates a 1-amp, in-line fuse. It has no internal battery backup. In normal stand-by mode, the LED indicator will be green.

Low Voltage

The operating voltage for the detector is 12 VDC. The actual voltage supplied to the detector in a recreational vehicle may drop below the minimum 8 VDC. The detector provides the user with a low voltage warning before reaching that level and will provide additional distinct, clear warnings and alarms after the 8 VDC level is reached. However, if available power supplied to the unit is below the operating voltage of 8 VDC, the detector will not detect gas or provide protection against dangerous levels of LPG.

NOTE

If the low voltage warning sounds, the detector will need to be reset by disconnecting the battery, before normal operation will occur.

Detector Test

If the Silence/Test button is pressed while in normal operation, the alarm will perform a self test of the CO sensor, propane sensor and battery voltage. It is recommended to perform a self test weekly, after power up from storage, and before each trip. If the self test passes, the alarm will perform 2 cycles of the CO horn pattern (4 rapid chirps followed by a 4 second pause), followed by 2 cycles of the propane horn pattern (constantly beeping).

WARNING

Activation of this detector indicates the possible presence of LPG, which can cause an explosion and/or fire, causing serious injury or death. This normally indicates a leak in the LPG installation or an LPG appliance. Extinguish all open flames, open your windows and door, and evacuate the unit immediately. Do not activate any electrical switch. Turn off the LPG at your gas tank(s). Do not re-enter your unit until a qualified repair technician has corrected the problem and certified the system as safe.

WARNING

It is not recommended that the detector be disconnected from the battery during periods of storage. There is a small heater on the sensor of the device that burns away impurities in the air during periods of normal use. During periods when power is interrupted, impurities can build up on the sensor. When power is returned to the detector, the detector alarm may activate until the impurities are burned off. This could take a number of hours, during which time the alarm will be constantly on.

WARNING

Have a qualified technician check your LPG system annually or if you detect any signs of leaks or malfunctions.

NOTE

Refer to Section 5 - Interior and Section 6 - Exterior for additional LPG warnings and safety information.

WARNING

Failure to replace this product by the "REPLACE BY DATE" printed on the alarm may result in death by Carbon Monoxide poisoning. Replace By Date is five (5) years from the date of manufacture.

WARNING

Activation of your Carbon Monoxide alarm's audible horn indicates the presence of Carbon Monoxide that can kill you. Leave the area immediately!

WARNING

This product is intended for use in ordinary, indoor locations of family living units. It is not designed to measure compliance with occupational safety and health administration (OSHA) commercial or industrial standards. Individuals who are at special risk from Carbon Monoxide exposure by reason of age, pregnancy, or medical condition may consider using warning devices which provide audible and visual signals for Carbon Monoxide concentration under 30 ppm. If in doubt, consult your medical practitioner.

This Carbon Monoxide Detector Is Not

- Designed to detect smoke, fire, or any gas other than Carbon Monoxide.
- To be seen as a substitute for the proper servicing of fuel-burning appliances.
- To be used on an intermittent basis, or as a portable alarm for spillage of combustion products from fuel-burning appliances.

NOTE

This Carbon Monoxide detector is designed for indoor use only. Do not expose to rain or moisture. Do not knock or drop the alarm. Do not open or tamper with the alarm as this could cause malfunction. The detector will not protect against the risk of Carbon Monoxide poisoning when the batteries are dead or missing. The alarm will only indicate the presence of CO gas at the sensor.

Important Safety Precautions

- Carbon Monoxide is produced by the incomplete combustion of fuels such as wood, charcoal, coal, heating oil, paraffin, gasoline, natural gas, propane, butane, etc.
- Ideally, it is recommended that a Carbon Monoxide detector should be installed in or near every room that has a fuel burning appliance such as any room heaters, water heaters, cookers, grills, etc.
- Ensure that the alarm horn can be heard by all those who are intended to hear it. Seek medical help if it is suspected that a user of the RV is suffering from Carbon Monoxide poisoning.
- If the alarm sounds, make sure to investigate the problem. Ignoring the alarm may result in sickness, injury or death. (CO may be present even if nothing is seen or smelled by the user.)
- Room spaces should be well ventilated when household cleaning supplies are used as these may cause a false alarm.
- Alarm should be tested once per week. If further details are required, which do not appear in this manual, contact the manufacturer.

What Is Carbon Monoxide

Carbon Monoxide (CO) is a highly poisonous gas that is released when fuels are burned. It is invisible, has no smell, and is therefore very difficult to detect with the human senses. Under normal conditions, in a room where fuel-burning appliances are well maintained and correctly ventilated, the amount of CO released into the room by appliances is not dangerous.

These fuels include wood, coal, charcoal, oil, natural gas, gasoline, kerosene, and propane. Common appliances are often sources of CO. If they are not properly maintained, are improperly ventilated, or malfunction, CO levels can rise quickly. CO is a real danger in air-tight trailers with added insulation, sealed windows, and other weatherproofing that can trap CO inside.

Conditions that can result in potentially dangerous CO situations

1. Excessive spillage or reverse-venting of fuel-burning appliances caused by outdoor conditions, such as:
    - Wind direction and/or velocity, including high gusts of wind.
    - Heavy air in the vent pipes (cold/humid air with extended periods between cycles).
    - Negative pressure differential resulting from use of exhaust fans.
    - Simultaneous operation of several fuel-burning appliances competing for limited internal air.
    - Vent-pipe connections vibrating loose from clothes dryers, furnaces, or water heaters.
    - Obstructions in or unconventional vent-pipe designs which can amplify the above situations.
2. Extended use of un-vented fuel burning devices.
3. Temperature increase that can trap exhaust gases near the ground.

Symptoms of Carbon Monoxide Poisoning

- Mild Exposure - Slight headache, nausea, vomiting, fatigue (flu-like symptoms).
- Medium Exposure - Throbbing headache, drowsiness, confusion, fast heart rate.
- Extreme Exposure - Convulsions, unconsciousness, heart and lung failure. Exposure to CO can cause brain damage and/or death.

WARNING

Many causes of reported CARBON MONOXIDE POISONING indicate that while victims are aware that they are not well, they become so disoriented that they are unable to save themselves by either exiting the area or calling for assistance. Also young children and pets may be the first to be affected.

WARNING

Test units used in RVs after the vehicle has been in storage, before each trip, and once a week while in use. Failure to test units used in RVs as described may remove your protection.

Fire Extinguisher

The fire extinguisher should be checked for charge on a regular basis. Make sure your family knows how to release the extinguisher storage bracket and how to properly operate the extinguisher. Check with your local fire department for professional advice on its operation and use if you find the directions on the extinguisher unclear. They will be able and willing to assist you and your family.

Safety

As always, safety should be a top priority. Ensure you and everyone traveling with you can operate the main door and emergency exit window rapidly, without light. Contemplate other means of escape in case the designated exits are blocked.

The escape windows(s) are identified by their red release handles. Lift up on both latches to release the escape window. Push on the glass and it will swing clear.

WARNING

The window operation should be checked before each trip and the latches lubricated with silicon spray or an equivalent lubricant every 3 months.

WARNING

Read the directions on the fire extinguisher carefully. If you have any doubts as to its operation, you and your family should practice, and then replace or recharge the extinguisher. Your local fire department will be able to assist you and answer any questions.

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Limited Warranty Policy

This Limited Warranty Covers

(i) The first retail owner and any subsequent owners (ii) ONLY those portions of a NEW travel trailer not excluded under the section “What is Not Covered”, when sold by an authorized dealership and used for its intended purpose of recreational travel and camping; and, (iii) ONLY defects in workmanship performed and/or materials used to assemble those portions of your travel trailer not excluded under the section “What is Not Covered”. “Defect” means the failure of the workmanship performed and/or materials used to conform with the design and manufacturing specification and tolerances of Airstream. The Limited Warranty is transferable and the subsequent owner’s warranty coverage period shall be the unexpired balance of the original warranty coverage period. A completed copy of the Warranty Transfer Form must be submitted to Airstream at the time of resale.

When you request and accept the performance of warranty repairs under the terms of this Limited Warranty, you are accepting all terms of this Limited Warranty, including by way of example, warranty limitations and disclaimers, the forum selection clause and the clause reducing the time period when suit must be filed for breach.

If any term of condition in this limited warranty conflicts with your state’s Uniform Commercial Code (“UCC”) as interpreted by courts within your state, the provisions of your state’s UCC are varied as allowed for by USS 1-302.

Coverage Ends

36 Months after the first retail owner first takes delivery of the travel trailer from an authorized dealership. Any action for breach of this warranty or any implied warranties must be commenced not more than 37 months after breach. Some states do not allow the reduction of the time when a breach of warranty claim must be commenced, so the reduction in time when a breach of warranty claim must be commenced may not apply to you.

Limitation Of Implied Warranties

Implied warranties arising under applicable law, if any, including but not limited to implied warranties of merchantability or fitness for a particular purpose, are hereby limited in duration to the term of this limited warranty and are limited in scope of coverage to those portions of the travel trailer covered by this limited warranty. There are no express warranties or any implied warranties of merchantability on those portions of the travel trailer excluded from coverage. There is no warranty of any nature made by Airstream beyond that contained in this limited warranty. No person has authority to enlarge, amend or modify this limited warranty. The dealer is not Airstream’s agent. Airstream is not responsible for any undertaking, representation or warranty made by any dealer or others beyond those expressly set forth within this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

Disclaimer Of Incidental And Consequential Damages

Airstream disclaims any and all incidental and consequential damages, including but not limited to expenses such as transportation to and from dealerships and Airstream repair facilities, loss of time, loss of pay, loss of use, inconvenience, commercial loss (including but not limited to lost profits), towing charges, bus fares, vehicle rental, service call charges, gasoline expenses, incidental charges such as telephone calls and facsimile transmissions, and expenses for lodging and moisture damage such as mold and mildew as well as rust and corrosion. This disclaimer is independent of any failure of the essential purpose of any warranties provided with the travel trailer, and shall survive any determination that a warranty failed of its essential purpose. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Repair Remedy

Airstream’s sole and exclusive obligation is to repair any covered defects discovered within the warranty coverage period if: (1) within 10 days of your discovery of a defect you notify Airstream OR an authorized dealership of the defect; AND (2) you deliver your travel trailer to Airstream OR an authorized dealership at your cost and expense.

Back-Up Remedy

If the primary repair remedy fails to successfully cure any defect after a reasonable number of repair attempts, your sole and exclusive remedy shall be to have Airstream pay an independent service shop of your choice to perform repairs to the defect OR if the defect is incurable, have Airstream pay diminution in value damages. The repair remedy and the back-up remedy must both be exhausted and these remedies must fail to fulfill their essential purpose before you can seek other legal or equitable remedies for breach of this express warranty or for breach of any implied warranty. This limited warranty is not a warranty that promises or extends to future performance because the warranty does not make a representation on how your travel trailer will perform in the future but instead represents only what the remedy will be if a defect exists.

Unless prohibited by state law, repairs will not extend the time when you must commence a breach of warranty claim and shall not extend the warranty coverage period. Any performance of repairs after the warranty coverage ends OR any performance of repairs to those portions of your travel trailer excluded from coverage shall be considered “good will” repairs. Warranty repairs should be expected. Airstream may use new and/or remanufactured parts and/or components of substantially equal quality to complete a repair. Damage to interior or exterior surfaces, trim, upholstery and other appearance items may occur at the factory during assembly, during delivery of the travel trailer to your selling dealer or on the selling dealer’s lot. Normally, any damage is detected and corrected at the factory or by the selling dealer during the inspection process. If you discover any damage when you take delivery of your travel trailer, you MUST notify your dealer OR Airstream within 10 days of the date of purchase to have damage repaired at no cost to you. Minor adjustments, such as adjustments to the interior or exterior doors, drawers, latches will be performed at no cost to you by your selling dealer during the first 90 days of warranty coverage; thereafter, such adjustments are your exclusive responsibility as normal maintenance.

What Is Not Covered

1. Tires, batteries, stereo, television, range/stove, furnace, refrigerator, air conditioner, toilet, water heater, microwave, generator, glass breakage, and other materials, parts and components warranted by persons or entities other than Airstream. Please refer to the warranties of component manufacturers for terms and conditions of coverage;
2. Accessories and equipment that are working as designed, but which you are unhappy because of the design
3. Any part or component of the travel trailer that was not manufactured or installed by Airstream;
4. Normal deterioration due to wear or exposure, including but not limited to upholstery, flooring rust, corrosion, oxidation, and cosmetic blemishes;
5. Normal maintenance and service items, including but not limited to light bulbs, fuses, lubricants, sealants and seals, door adjustments, and awning tension;
6. After-market equipment or accessories installed on the travel trailer after completion of manufacture by Airstream, or any defects or damage caused by such items;
7. Travel trailers not purchased through an authorized dealer of Airstream and travel trailers purchased directly or indirectly through auction, salvage, repossession, or other non-customary sale means;
8. Any travel trailer used other than for temporary recreation purposes, including, but not limited to, use of the travel trailer for residential, rental, business and commercial purpose or any travel trailer purchased by, registered by, or titled in the name of a business association (such as any LLC, corporation, or partnership). If the travel trailer owner or user files a tax form claiming a business or commercial tax benefit or income related to the travel trailer, it shall be irrefutable that the travel trailer has been used for rental, commercial or business purposes.

9. Defects or damage caused by, in whole or in part, or in any way related to: Accidents, misuse (including off-road use), or negligence; Failure to comply with the instructions set forth in any owner's manual provided with the travel trailer; Alteration or modification of the travel trailer except such alterations or modifications approved in writing by Airstream; Acts of God or other environmental conditions, such as lightning, hail, salt causing rust, or other chemicals in the atmosphere; De-icing agents or other chemicals applied to the travel trailer; Failure to properly maintain or service the travel trailer, including but not limited to the maintenance of lubricants, sealants, and seals; Condensation and the results of condensation including water damage and the growth of mold or mildew. Mold and mildew are natural growths given certain environmental conditions and are not covered by the terms of this Limited Warranty; The addition of weight to the travel trailer that causes the total weight to exceed applicable weight ratings, or addition of weight causing improper distribution of the weight of the travel trailer; Failure to seek and obtain repairs in a timely manner; Failure to use reasonable efforts to mitigate damage caused by defects; Failure to properly ventilate the travel trailer; Improper electric power supply or improper travel trailer hookup to other facilities; Acts or omissions of any person or entity other than Airstream. (Note: An irrefutable presumption arises that the travel trailer has been used for commercial and/or business purposes if the travel trailer owner or user files a tax form claiming any business or commercial tax benefit related to the travel trailer, or if the travel trailer is purchased, registered or titled in a business name
10. Software embedded in Airstream products; mobile applications and other software which may be downloaded to smartphones and other devices; advanced monitoring, control, and other services offered by or on behalf of Airstream in connection with Smart RV Control features; and data transmission, hotspot, and other connectivity services associated with your travel trailer.

Obtaining Warranty Service

In order to obtain warranty service under this Limited Warranty, the owner must do all of the following:

1. Owner and dealer representative must complete and return the Customer Performance Checkout within 10 days from delivery of the trailer,
2. Notify Airstream or one of its authorized, independent dealers of any claimed defect within the warranty period or 10 days thereafter,
3. Provide notification of a defect within 10 days of discovery of that defect, and
4. Promptly return the travel trailer to an authorized Airstream dealer or Airstream for repairs.

If you believe a defect covered by this Limited Warranty still exists after an attempted repair by an authorized Airstream dealer, you must contact Airstream at the following address, specifying:

1. The complete serial number of the travel trailer,
2. The date of original purchase and the date of original delivery,
3. The name of the selling dealer, and
4. The nature of the problem and the steps or service which have been performed.

Airstream, INC.

428 West Pike Street

P.O. Box 629

Jackson Center, Ohio 45334-0629

Attention: Owner Relations Department

Or E-mail

customersupport@airstream.com

Airstream may direct you to an authorized Airstream dealer, or may request that you bring your travel trailer to the Airstream factory in Jackson Center, Ohio for repairs.

Airstream does not control the scheduling of repairs at its authorized Airstream dealers, and repairs at the Airstream factory may not be immediately available. Therefore, you may encounter delays in scheduling repairs and/or completion of repairs. All costs associated with transporting the travel trailer for any warranty service shall be the sole responsibility of the owner.

Events That Discharge Airstream's Obligations Under This Limited Warranty

Misuse or neglect, accidents, unauthorized alteration, failure to provide reasonable and necessary maintenance (see Owner's Manual), damage caused by off road use, collision, fire, theft, vandalism, explosions, overloading in excess of rated capacities, and use of the travel trailer for commercial, business, or rental purposes shall discharge Airstream from any express or implied warranty obligation to repair any resulting defect.

Legal remedies: exclusive jurisdiction for deciding legal disputes relating to alleged breach of warranty or representations of any nature rests in the courts within the state of manufacture, which is Ohio. Also, this limited warranty shall be interpreted and construed in accordance with the laws of the state of Ohio. Any and all claims, controversies, and causes of action arising out of or relating to this limited warranty, whether sounding contract, tort or statute, shall be governed by the laws of the State of Ohio, including its statute of limitations, without giving effect to any conflict of law rule that would result in the application of the laws of a different jurisdiction.

Airstream Limited Warranty Excludes

Normal Wear

Items such as curtains, upholstery, floor coverings, window, door, and vent seals will show wear or may even wear out within the 3-year warranty period, depending upon the amount of usage, weather, and atmospheric conditions.

Accident

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 or customer's responsibility upon acceptance of delivery, unless Airstream is notified and the person making the delivery verifies the damage. Glass breakage, whether obviously struck or mysterious, is always accidental and covered by most insurance policies.

Abuse

Lack of customer care and/or improper maintenance will result in early failure for which Airstream cannot be held responsible.

Chemical Gassing

Chemical gassing is not a "Defect" in your recreational vehicle and is not covered by the Limited Warranty. Please follow the recommendations in this manual to address this concern.

Exposure

Not unlike a car, the steel parts of a trailer can and will rust if subjected 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 curtains and upholstery. Conditions of this nature, although they may be normal for the area, are beyond Airstream's control and become the responsibility of the owner.

It is the responsibility of the owner to take such preventative measures as are necessary to maintain the exterior caulking and sealer of your unit. It is the responsibility of the owner to use reasonable, prudent care to prevent foreseeable secondary damage from rain, plumbing leaks, and the natural accumulation of moisture in your unit, such as a delaminated floor; stained upholstery, carpeting, or drapes, mold formation and growth, furniture damage, etc. Mold is a natural growth, given certain environmental conditions, and is not covered by the terms of the Limited Warranty.

Overload

Damage due to loading, either beyond capacity or to cause improper towing because of improper balance, is beyond Airstream's responsibility. The Airstream trailer is engineered to properly handle the gross vehicle load rating on the certification label. 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 this Owner's Manual or gross vehicle weight rating plate.

The axle is manufactured to a tolerance of 1-degree camber and 1/8 in. 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 could be considered as resulting from an accident, of 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.

Service

Before leaving the factory, every vital part of the trailer is tested for performance. Each test is signed and certified by an inspector. After the trailer arrives on your dealer's lot, all vital parts and systems are again tested. When you take delivery of your new trailer, you will receive a complete check out.

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.

Please contact your dealer if your trailer needs service. Major service under your Airstream Limited Warranty is available through our nationwide network of Airstream Dealer Service Centers. An up-to-date list of Dealer Service Centers will be sent to you with an Owner's Survey shortly after your trailer is delivered. Our web site, www.Airstream.com also has a dealer locator on it. This list is current as of the date of this publication.

Occasionally, dealerships change, or new dealers are added who may not appear on this list. For this reason, it is suggested that you contact your local dealer from time to time for an updated list. Additional copies are available if you need them. All centers operate on an appointment basis for the utmost efficiency.

When you require service for your trailer from the Airstream Factory Service Center, or a Certified Dealer Service Center, please contact the service manager for an appointment, and inform them if you are unable to keep the appointment date, or wish to change it. Service may be arranged at the Factory Service Center by contacting the Service Coordinator at:

Airstream Factory Service Center,

428 West Pike Street

P.O. Box 629

Jackson Center, Ohio 45334-0629

Phone: (937) 596-6111 or (877) 596-6111

NOTE

Connected RV and Smart RV Control features and systems may be turned off while in a service facility for the safety of our technicians. You might have to re-pair your personal device after service appointment.

Reporting Safety Defects

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA), in addition to notifying Airstream Inc.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Airstream Inc.

To contact NHTSA, you may either call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153), go to http://www.safercar.gov, or write to:

Administrator,

NHTSA,

1200 New Jersey Avenue, S.E.,

Washington, DC 20590.

You can also obtain other information about motor vehicle safety from http://www.safercar.gov.

Airstream Connected and Smart RV Control Privacy Notice

Airstream Connected RV and Smart RV products and services (collectively, “Connected RV”) contain systems which may collect personal and other information from or about you, your devices, your RV (including its location, how and where it is used, and telematics data), and your Internet connection. We may also collect such information from applications, devices, and services you use in connection with your Connected RV.

We collect and process (including use, store, disclose, and share) personal information for a number of reasons, including providing assistance to you, troubleshooting, improving Airstream products, and to offer you products and services which may be of interest to you. Please read our Connected RV and Smart RV Terms of Service (www.Airstream.com/legal-notice) (“Terms of Service”) and our Privacy Policy (www.Airstream.com/privacy-policy) (“Privacy Policy”) for more specific information about the data we collect and process, our privacy practices, your rights, and important updates. Other parties may seek to access data independently of Airstream. Those parties are not subject to Airstream’s Terms of Service or Privacy Policy.

NOTE

Airstream Connected RV products and services are intended only for use in the United States.

Data and privacy protection laws where you use the Connected RV products and services may impose certain responsibilities on you with respect to your use of the products and services. You are responsible for ensuring you comply with such laws when you use the products and services. You are responsible for informing those you permit to use or occupy your Connected RV (with or without you, and including anyone to whom you loan, give, or sell the Connected RV) how data related to their use of the RV may be collected and processed.

NOTE

You may request to have automatic data transmission and collection disabled or limited by contacting Airstream Customer Service (see below). Note the functions and features of Connected products, systems, and services may be limited or may not work at all if you choose to prevent or limit the transmission, collection and processing of data and/or Airstream may terminate access to such functions and features in such an event.

Please contact Airstream Customer Service at 877-596-6111 or as provided in the Privacy Policy if you have questions or requests concerning Airstream Connected RV products, the collection and processing of data, or our privacy practices.

NOTE

Some data about your Connected Airstream (including telematics, usage, and location information) may be automatically transmitted to and collected by Airstream via an embedded basic cellular connection and/or a personal hotspot whenever your Connected Airstream has power. This functionality is on by default and might use a small amount of data from the associated plan. The transmission and collection of this data may occur whether or not you: enable, use, or cancel the Connected services; create or cancel an account; pair or unpair device; and whether or not your RV is parked or in motion.

Camping

Suggested Pre-Travel Check List

Interior

1. Turn off water pump switch.
2. Close windows and vents.
3. Lock all interior cabinet doors.
4. Latch refrigerator door. (Seal containers first.)
5. Hold down or securely stack all loose, hard, and sharp objects.
6. Fasten sliding and foldette doors.
7. Drain toilet bowl.
8. Turn off interior lights.
9. Set table in upright position.
10. Pull up or retract step.
11. Lower blinds.
12. Secure and lock main door.

Exterior

1. Disconnect and stow the electrical hookup cord, and the sewer (flush out), and water hookup hoses.
2. Turn off gas at LP tanks.
3. Retract stabilizing jacks.
4. Check hitch for proper attachment.
5. Check safety chains and breakaway switch cable.
6. Fully retract hitch jack. Remove and stow jack stand or wood block.
7. Check clearance and stoplights.
8. Check lug nuts.
9. Check tires for correct pressure.
10. Adjust tow vehicle mirrors.
11. Pull forward about 50 ft., test brakes, and check site for forgotten objects and cleanliness.

Trailer Equipment and Accessories

1. Water hose, 5/8 in. high pressure, tasteless, odorless, non-toxic, (2 25-ft. sections)
2. Y connection -- water hose.
3. Sewer hose with clamp.
4. Drain cap with hose drain.
5. Holding tank cleaner and deodorizer.
6. Power cord adapter, 50 to 30-amp capacity.
7. 30 ft. electric cord, 50-amp capacity.
8. Woodblocks for leveling.
9. Wheel chocks.
10. Hydraulic jacks.
11. Cross-type lug wrench and a torque wrench.
12. Quality tire gauge.
13. Emergency road warning triangle.

Motoring Essentials

1. Display the tow vehicle and trailer registration properly.
2. Carry driver's license.
3. In Canada, bring along a non-residence liability insurance card and your passport.
4. In Mexico, you must have special auto insurance.
5. Carry an extra set of the ignition and truck keys in a separate pocket, or in your wallet.
6. Keep an operating flashlight with fresh batteries in the glove compartment.
7. Pack the trunk so that you can reach the tools and spare tire without completely unpacking.
8. Keep sharp or hard articles securely packed.
9. Carry a first-aid kit.
10. Carry your pet's dish, food, leash, and health and registration papers.

WARNING

Do not use Connected RV and Smart RV Control services and functions when driving or when the RV is otherwise in motion. Serious damage to the RV or property or serious injury to yourself or others may occur as such systems or functions may distract your attention from the road and/or may operate features of the RV which are intended for use only when in a stationary position

Overnight Stop

Airstream owners have parked virtually in every place imaginable, from filling stations to farmlands. In time, you'll develop a knack for spying wonderful little roadside locations by turning off the main highway and exploring.

There are many modern parks, including State, County, and Federal parks, with good facilities where you might obtain hookups 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 batteries that supply the 12-volt current.

On a longer trip, when you have stayed where sewer connections and utility hookups 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 truck stops and gas stations, chain and individually owned, have installed sanitary dumping stations for just this purpose. Booklets are available that 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 tow vehicle is needed for transportation, it is not necessary to unhitch.

WARNING

At each campsite, make sure you have not parked in such a manner as to block the operation of the escape window by being too close to trees, fences, or other impediments. Scenic views are one reason for traveling, but don't park so the beautiful lake or steep cliff is just outside your escape window.

Choose the most level parking spot possible. Stabilizing jacks or blocks may not 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 tow vehicle's springs, it will provide some stability. If you must park on a slope, park facing downhill. It is easier to level the trailer this way.

All you need to do to enjoy the self-contained luxury of your Airstream is to turn on the LPG and light any appliance pilot lights.

Before moving on, check your campsite, both for cleanliness, and to be sure you have not left anything behind. Turn off the gas supply and make sure everything is properly stowed. Use your pre-travel check list and you are ready for more travel adventure.

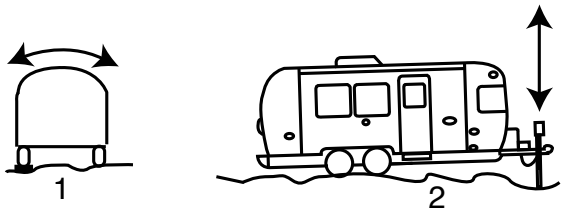
Extended Stay

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 you will want your trailer to be as level and steady as possible. Check the attitude with a small spirit level set on the inside work counter or the trailer hitch A-frame. If a correction is necessary, you must level from side to side first. This can be done easily by backing the trailer up onto one or more 2 x 6 boards. We do not recommend placing tires in a hole to level.

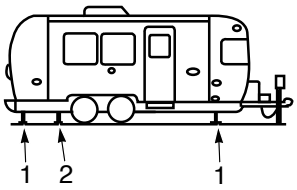
Leveling

Block or chock the wheels to keep the trailer from rolling. Level from front to rear by disconnecting the hitch from the tow vehicle, putting the jack pad under the hitch jack, and adjusting the jack up or down until the trailer is level. Use stabilizing jacks at all four corners, as shown in the diagram, to eliminate the natural spring action of the axles.



1. Side to Side
2. Front to Rear

Stabilizing Jacks



1. Stabilizing Jack Location
2. Lifting Jack Location

WARNING

Stabilizing jacks should only be used to stabilize the trailer. Do not use jacks to lift the trailer.

WARNING

Whenever the trailer must be lifted with a jack, as when changing a tire, always place the lifting 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.

Refer to Section 8 - Maintenance for further information on jacking.

Effects Of Prolonged Occupancy

Your trailer was designed primarily for recreational use and short-term occupancy. If you expect to occupy the trailer for an extended period, be prepared to deal with condensation and the humid conditions that may be encountered.

Moisture can condense on the inside surfaces of the trailer during cold weather when relative humidity of the interior air is high. This condition is increased because the insulated walls of a recreation vehicle are much thinner than house walls. Also, the relatively small volume and tight, compact construction of modern recreational vehicles means the normal living activities of even a few occupants will lead to rapid moisture saturation. Estimates indicate a family of four can vaporize up to three gallons of water daily through breathing, cooking, bathing, and washing. Unless the water vapor is carried outside by ventilation or condensed by a dehumidifier, it will condense on the inside of the windows and walls as moisture, or in cold weather, as frost or ice. It may also condense out of sight, within the walls or the ceiling, where it will manifest itself as warped or stained panels.

Appearance of these conditions may indicate a serious problem. When you recognize the signs of excessive moisture and condensation in the trailer, action should be taken to minimize their effects.

Tips To Control Condensation

Allow excess moisture to escape to the outside when:

- Bathing, washing dishes, hair drying, etc.
- Laundering, using appliances, and using non-vented gas burners.
- Cooking (Always use the stove vent hood).

Avoid dead air spaces by:

- Using a fan to keep air circulating.
- Leaving closet and cabinet doors partially open.

To help alleviate cold weather condensation:

- Keep the temperature as reasonably cool during cold weather as possible.
- Allow your trailer to breathe; do not make it airtight.
- Allow some warm air to be removed and some cool outside air in.
- Do not allow the furnace to recycle humid interior air; provide reasonable ventilation.

In hot weather, starting the air conditioner early will help remove excess humidity from the air while lowering temperatures.

NOTE

Your trailer is not designed, nor intended, for permanent housing. Use of this product for long-term or permanent occupancy may lead to premature deterioration of structure, interior finishes, fabrics, carpeting, and drapes. Damage or deterioration due to long-term occupancy may not be considered normal, and may, under the terms of the warranty, constitute misuse, abuse, or neglect, and may therefore reduce the warranty protection.

Molds

Molds are microscopic organisms that naturally occur in virtually every environment, indoors and out. Outdoors, mold growth is important in the decomposition of plants. Indoors, mold growth is unfavorable. Left unchecked, molds break down natural materials such as wood products and fabrics. Protect your investment by understanding the potential risks mold imposes.

Contributing Factors To Mold Growth

For mold growth to occur, temperatures, indoor or outdoors, must be between 40° and 100°F, and must also have a source of moisture, such as humidity, standing water, damp materials, etc. Indoors, the most rapid growth occurs with warm and humid conditions.

Inhibiting Mold Growth

By controlling relative humidity, the growth of mold and mildew can be inhibited. In warm climates, use of the air conditioner will reduce the relative humidity. Vents are located in the bathing and cooking areas. Constant use of these vents is advised during food preparation and bathing, even during colder weather. Additionally, opening a window during these activities will assist in ventilation. In extremely humid conditions, the use of a dehumidifier can be helpful.

Frequent use of your trailer or cleaning regularly are important preventive measures. Additionally, any spills should be wiped up quickly and dried as soon as possible. Avoid leaving damp items lying about. On safe surfaces, use mold-or mildew-killing cleaning products. Check sealants regularly, and reseal when necessary to avoid water leaks. Proper preventive maintenance to the trailer and its accessories, as described both in this manual and in accompanying literature, will provide the best protection to the trailer.

For more information concerning controlling moisture in the trailer, read Tips to Control Condensation in this section.

NOTE

If using a dehumidifier, please read and follow all manufacturer instructions and recommendations for the use and cleaning of the dehumidifier.

Waste Water System

The main parts of the waste water system are the toilet, holding tanks, and tank dump valves (see Section 8 - Maintenance for dump valve information). The system is designed to provide complete self-contained toilet facilities, while on the road or parked, without being connected to a sewage line. It may also be used in the stationary position while connected to a sewage hose.

Keep the dump valves closed with either method and empty the tanks when they are nearly full. The idea is to send a large volume of water through the tanks and hose at the same time to float solids away.

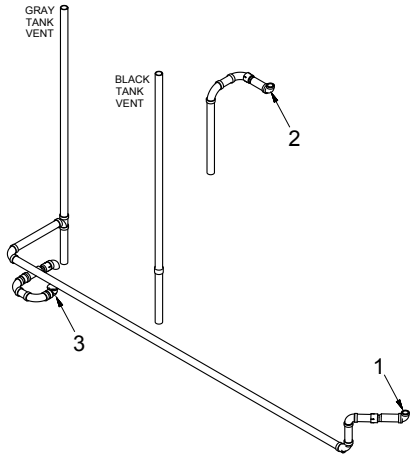
After the sewage tank has been emptied, close the dump valves and put approximately 5 gallons of water in the sewage holding tank using the black tank flush inlet. This will spray the interior of the tank with water and help prevent solids from building up in the sewage holding tank. The addition of a deodorizing agent like Aqua-Kem will help prevent odors.

Should you ever have a buildup of solids, close the valves, fill the tanks about 3/4 full with fresh water, drive a distance to agitate the solids, and drain the tanks.

Things Not To Put Into Toilet Or Drains

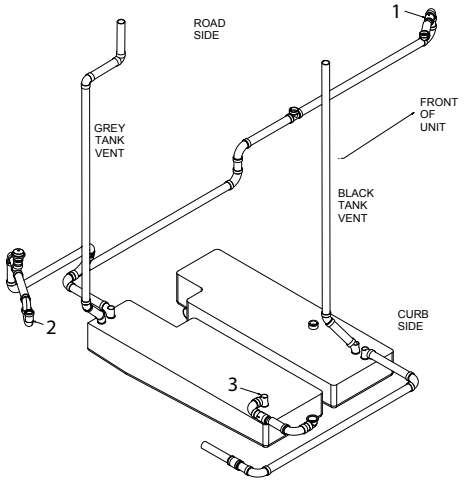
- Facial tissues and feminine hygiene products (they do not dissolve like toilet paper).
- Automotive antifreeze, ammonia, alcohols, or acetone.
- Table scraps or other solids that may clog the drains.

30 ft. Model



1. Galley Drain
2. Lavatory Drain
3. Shower Drain

33FB Model



1. Galley Drain
2. Lavatory Drain
3. Shower Drain

Winter Traveling

Traveling in sub-freezing temperatures will require certain precautions to protect the plumbing system and your personal belongings from being damaged by freezing.

Whenever possible, the heat should be kept set to a constant temperature. It is easier for the furnace to keep a constant room temperature than allow the trailer temperature to drop to 50°F, and then attempt to raise it to room temperature.

Some states do not allow LPG to be turned on while moving. While traveling in these states, simply use your common sense. How cold is it? How long will it be before you can turn the heat back on? Is the temperature dropping or rising? Remember, when towing at 50 MPH, the wind chill factor will cause the interior of the trailer to cool much faster than a trailer that is parked.

1. When parked in sub-freezing temperatures, make sure to keep a full supply of LPG and plug into an external AC power source whenever possible.
2. If your stay is longer than overnight, you should try to have 120-volt electricity available. Minimize the use of electricity if a 120-volt power source is not available.
3. Leave cabinet doors, wardrobes, and bed doors partially open to allow warm air to circulate around plumbing lines and fixtures. Insulate and/or wrap your exterior water lines with heat tape.
4. Save 12-volt power by using non-toxic RV-approved antifreeze in the holding tanks instead of the heating pads to prevent freezing. Quantity of antifreeze needed will vary with ambient temperature and the amount of liquids in tanks.

Tank Heaters

12-volt heat pads are installed with the fresh, gray, and black water tanks. The tank pads can be controlled by the main Multiplex control panel located on the galley wall or the wall next to the sofa, depending on the model or with the push button in the Bath area. When the outside temperature is near freezing, simply switch “ON” the holding tank heaters. Built-in sensors will activate the heat pads when the contents of the tank drops to 44°F. Once the liquid is heated and rises to 64°F the heat pads will automatically deactivate. Switch the power “OFF” when the ambient outside temperature remains above freezing or when tanks are empty. The tank heaters will quickly deplete the house batteries unless the unit is plugged into an external AC power source. To conserve battery power, RV antifreeze may be used to protect the gray and black tanks.

NOTE

Drain and winterize all models if the water systems are not being used during winter traveling. Refer to Section 8 - Maintenance in this manual for winterizing instructions.

NOTES

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Section 4
FLOOR PLANS AND SPECIFICATIONS

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Floor Plans

30RB Classic

33FB Classic

Specifications

Specification Chart

NOTE

All product information and specifications listed are as accurate as possible at the time of printing. Since we continually strive to improve our products, all specifications are subject to change without notice. All capacities are approximate and dimensions are nominal and are checked and updated throughout the model year.

Model	30RB	33FB
Length - Exterior	31’ 5”	33’ 3”
Width - Exterior	8’ 5.5”	8’ 5.5”
Width-Interior	8’ 1”	8’ 1”
Height-Ext. w/A/C	9’ 6”	9’ 6”
Height-Int. w/A/C	6’ 6.5”	6’ 6.5”
Hitch Ball Size	2 5/16”	2 5/16”
Hitch Ball Height	19.5”	19.5”
Hitch Weight (with LP & Batteries)	850	1,000
GVWR (lb)	10,000	10,000
UBW (lb)	7,900	8,375
NCC (lb)	2,100	1,625
Fresh Water (Gal)	52	52
Gray Water (Gal)	35	32
Black Water (Gal)	41	36
Aluminum Wheel Torque (Max) ft lb	110	110
Steel Wheel Torque (Max) ft lb	100	100

The Unit Base Weight (UBW) and Net Carrying Capacity (NCC) weights listed in the Specification Chart are for the base unit with LP and batteries included.

Gross Vehicular Weight Rating (GVWR) is the maximum permissible weight of this trailer when fully loaded. It includes all weight at the trailer axle(s) and coupler.

UBW is the dry weight of the base unit without options.

NCC is equal to GVWR minus UBW. Gross Axle Weight Rating (GAWR) is the value specified as the load carrying capacity of a single axle system, as measured at the tire-ground interfaces.

Specification Tags

For precise cargo capacity, refer to the Cargo-Carrying Capacity tag on the inside of the screen door. The **WEIGHT OF CARGO SHOULD NEVER EXCEED** numbers shown on the tag, which is the maximum weight of cargo you can load and carry in your specific trailer as built with its options.

Located on the front roadside of your trailer are the Tire and Loading, and Vehicle Manufacturing tags.

The Tire and Loading information tag lists the Size and Cold Inflation Pressure of the tires on your vehicle, the weight of your trailer as manufactured, and the GVWR.

The Vehicle Manufacturing tag lists the Size of tires and wheel rims, Maximum Cold Inflation pressures, the Vehicle Identification Number (VIN), and GAWR.

Measuring Hitch Ball Height

The proper height will vary according to the weight you carry and the tires you use. However, checking the height on your trailer is relatively easy:

1. With trailer parked on fairly level ground, measure from ground to bottom of frame, front and rear.
2. Adjust front jack until measurements are equal.
3. Now, measure from ground to the inside top of ball coupler. This figure is the hitch height. The hitch ball is then usually set 1/2 to 1 in. higher, according to the spring rate of your tow vehicle, to allow for it to settle when the trailer is hitched up.

Tire Size with Maximum Inflation Pressure Cold

- LT225/75R16 - 80 psi

NOTES

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Interior

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General Information and Cleaning

The interior of all Airstream trailers 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 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. All material should be professionally dry cleaned to remove any overall soiled condition.

Ultra Leather

Spot clean regularly with mild soap and water. For stubborn stains, wipe with isopropyl (rubbing alcohol) as soon as possible. Sanitize using a disinfectant such as a 5:1 water/bleach solution. Air dry or dry quickly with a hair dryer on warm setting.

NOTE

Never remove cushion covers for separate dry cleaning or washing. Any tumble cleaning method can destroy the backing, and/or shrink or otherwise damage upholstery fabric.

Drapes and Shades

All drapery materials must be professionally dry-cleand. Remove the draperies by unsnapping them from the wall, removing a screw from the end of the curtain track, and sliding them out.

Spot clean the shades only. Prepare a solution of warm water and a mild detergent. Dampen a clean cloth in the solution and wring it out. Dab the spot with the dampened cloth until it is gone. **Do not rub the fabric!** Allow the shade to dry in the completely lowered position.

Interior Woodwork

The finish on the interior woodwork is a high quality furniture finish and should be treated as any fine furniture finish. Use a high quality furniture cleaner which does NOT contain ammonia or bleach. One good choice is Murphy Oil Soap Clean and Shine.

Ultrafabrics®

The best way to keep your Ultrafabrics looking great is regular cleaning and preventing of excess dirt from accumulating. To help extend the life of the fabric: Wipe up spills as soon as they occur. Clean with soap and water. Sanitize using disinfectants such as (1:5) bleach/water solution. For stubborn stains, wipe off with isopropyl alcohol as soon as possible. Thoroughly rinse all solution residue with clean water and air dry.

Interior Aluminum Skin

Interior aluminum skin can be cleaned by washing skin with any mild non-abrasive soap or detergent. Cleaning should be followed by a thorough clean water rinse. Drying the unit with a chamois or a soft cloth may prevent spots and streaks. Do not use abrasive cleaners or utensils on the aluminum skin as it is coated with a clear coat that could be damaged.

NOTE

When washing or polishing your trailer, always wipe with the grain of the metal.

Counter Area

The countertops are made of a solid surface and can be cleaned with soap and water, or you can use a common solvent on tough spots. Do not use abrasive cleaners since they could scratch the surface. A protective pad should always be used under hot utensils or pans. A light sanding of minor damaged areas can repair the counters. The color of the material is constant and not just a surface coat.

Sinks

Cleaning can be accomplished using a mild liquid detergent on a soft cloth. A complete home owner's guide for your sinks is supplied in your owner's packet. Please read these instructions before use.

Luxury Woven Vinyl Floor

One of the best ways to keep the floor looking good is to wipe fabrics off on a weekly basis with clean water. This helps prevent dirt from becoming deeply embedded in the fabric and eliminates the need for more vigorous cleaning. For general or light cleaning, brush off loose dirt and wipe down the floor. Prepare a solution of water and mild soap such as dish washing liquid or household cleaner. Using a soft bristle brush to clean, apply a small amount of water and soap mixture to the stain. Rinse thoroughly until all soap residue is removed. Allow the floor to air dry. For more stubborn stains and mildew, prepare a solution of 1 cup bleach and 1/4 cup mild soap per gallon of water. Apply a small amount of bleach and soap mixture to the stain and blot with a sponge or clean towel. Rinse thoroughly to remove all soap residue. Allow to air dry. A citrus based cleaner like D-Limonene can be used for tough dirt and grease spots. Ammonium based products are NOT recommended. All cleaning products need to be rinsed off thoroughly and air dried after cleaning.

Rubber backing on doormats may result in yellow discoloration of the floor immediately beneath. Choose a natural fiber mat. Mats provided by Airstream are intended for use outside of the travel trailer. Rubber feet on furniture may cause staining. Remove them altogether or place coasters or felt pads between them and the floor.

⚠ CAUTION

Remember to protect the area around your flooring if using a bleach solution. Other fabrics may have an adverse reaction to cleaners containing bleach.

NOTE

The use of certain cleaning agents, including but not limited to powdered abrasives, solvents, and industrial strength cleaners is not recommended. Always follow the manufacturer's instructions. Check that the cleaner/polish is suitable for use with cushioned vinyl floor coverings.

Shower Stall

To clean your fiberglass shower stall unit, use warm water and one of the stronger liquid detergents. Do not use abrasive cleaners as they may scratch and dull the surface of your unit. Stubborn stains can be removed with solvents such as turpentine, paint thinner, or acetone. Restore dulled areas by rubbing with an automotive type liquid cleaner, then, put the soft glow back into your unit with a light application of liquid wax. For models with Decotone wall tile installed use soft non-abrasive detergents and nylon brushes. Stubborn stains may require the use of hypochlorite bleach dissolved in water. Avoid the use of strong bleachers, organic detergents and abrasive brushes, these could discolor and scratch the surface.

⚠ CAUTION

Applying wax to the base of the shower floor is not recommended, as this could create an unsafe surface.

Shower Head

The shower head is designed to give maximum flexibility in usage, and provides for 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. Apply soap, lather thoroughly, and then rinse the soap off.

Retractable Clothesline

A retractable clothesline is installed for your convenience in the shower stall. To use, pull the line from the base and attach it to the holder on the opposite wall. Turning the nut on the base will tighten the line.

Power Dinette Table

To make the power dinette into a bed, press and hold the electric switch on the end of the galley, to lower the table into position. To complete the conversion you will need the cushions that cover the table top. These cushions can be stored in the wardrobe. Lay the cushions on the table top, side by side. The cushions may rest slightly higher on the table top than the seat cushions.

Power Sofa

In all models the sofa can be reclined using the power controls on the inside of each armrest. USB ports are incorporated into the power controls or in the fold down center console, depending on model. The 30' model has a cover attached to the front of each armrest, which can be removed.

Entertainment Center

The 33FB model is designed with an entertainment center complete with projector and powered screen. Pressing "cinema mode", located on the Multiplex panel on the wall next to the sofa, will automatically dim the area lights. The projector is connected to both the omni-directional antenna and Blu-ray player for viewing of either source. For more information on individual components refer to the user manuals provided in your owner's packet.

NOTE

The Blu-ray player is the priority source for the sound bar if both the Blu-ray player and TV tuner are on. The Blu-ray player will need to be powered off for the sound bar to prioritize the TV tuner.

Storage Tips

Galley cabinets should have the heaviest items stored on the bottom and lighter items overhead. After loading, put skillets and canned goods on the floor or bottom shelf, and cereals and crackers in the overhead roof locker. Use unbreakable-type plates and saucers, and consider storing your dish towels around them.

Clothes hung in wardrobes should be kept on hangers that snap over the clothes rods to keep them from bouncing off on rough roads. Try to avoid large bulky coats. Layers of lighter clothing will usually keep you warmer, are more versatile, and are easier to store.

The ottoman can be stored below the desk cabinet. Two bungee cords have been provided and should be strapped around the front of the ottoman to hold it in place. Airstream recommends securing the ottoman during travel to prevent damage.

Safe

The Classic Airstream trailer is equipped with a safe. The safe is hidden in the floor of the wardrobe below a false panel.

Plumbing

Water System (Self-Contained)

Fill the water tank by opening the exterior access door and remove screw cap. A drinking water safe hose can now be inserted. It's a good idea to let the water run through the hose for a short time to flush it out. Experienced RVers usually fill their tanks with "home" water to avoid strange water that may be distasteful to them. The amount of water in the tank may be checked on the Monitor Panel, or you may fill the tank until water overflows out of the fill.

Open the hot side of the galley or lavatory faucet and turn on the water pump using the main Multiplex control panel. For some time, the open faucet will only sputter. This is because the water heater is being filled and air is being pushed out through the lines. Once the water heater is full, a steady stream of water will flow from the faucet. Now, open a cold faucet. It will sputter for a short time, but will soon expel a steady stream. All other faucets can now be opened until all air is expelled. Once the system is filled with water and the faucets closed, the water pump will shut off. When a faucet is opened, the pump will come back on automatically. If the faucet is just barely open, it is normal for the pump to cycle on and off rapidly.

Water Pump

The water pump is controlled by the Multiplex Control Panel or remote switch located on the bathroom wall. Once the switch is turned on, the pump will run until the water pressure reaches about 55 psi. At this point, an internal pressure switch will shut it off. When a faucet is opened, the water pressure will drop and the pump will start to run again.

As a general rule, the water pump should be turned off while using a city water hookup; however, the water pressure at some campgrounds may be low. The water pump can be turned on to assist the city water hookup pressure. Be sure there is some water in the fresh water tank. The pump will only use the water that is needed out of the tank to bring the pressure up to the usual standard of 55 psi.

Access to the water pump will be necessary for periodic cleaning of the strainer screen. Refer to Section 8 - Maintenance for water pump access and strainer screen removal.

NOTE

Turn off the water pump while traveling to prevent water from being pumped in the event a faucet opens in transit.

Draining System

Fresh Water Lines and Tanks

Fresh water drain valves consist of low point water line drain valves and fresh water tank drain valves. The valves are in-line or petcock-type valves.

Refer to Section 8 - Maintenance for necessary drain valve locations and draining procedures of fresh water lines and tanks.

Drain and Waste System

Your trailer has a drain and waste system that includes waste-holding tanks made from corrosion-free molded plastic, with trouble-free dump valves.

The main (Black Water) holding tank enables you to use the toilet for several days away from disposal facilities. The waste water from the sink, shower, bath and lavatory drains into the auxiliary (Gray Water) holding tank.

Each tank has its own dump valve with both tanks draining through a common outlet. Therefore, only one sewer hose connection is needed when hooking up to a dump station.

Almost all campgrounds will have dumping facilities. Park directories, such as Woodalls and Rand McNally, also list dumping stations.

Refer to Section 8 - Maintenance for important information on Black and Gray Water tanks draining, cleaning, and rinsing procedures.

Check your monitor panel frequently (main Multiplex control panel or SeeLevel monitor panel). When the Black Water holding tank is completely full, sewage cannot be emptied from the toilet bowl. If the Gray Water holding tank is overfilled, drain water may back up into the shower floor pan and cause an unpleasant cleaning job. Never drain the tanks at any place other than an approved dumping station.

NOTE

Never put wet strength paper towels or tissues in your holding tank since they won't dissolve and can catch in the mechanism of the dump valve. Colored toilet tissue is slower to dissolve than white. Most RV-accessory stores offer tissue designed for RVs that will completely dissolve.

Toilet

The RV toilet in the 30 ft. Classic is a design that has been used for many years. There is only one pedal. This pedal opens and closes the slide mechanism, and opens the water valve.

In normal use, depressing the pedal dumps the sewage and flushes water down the side of the bowl. Water will continue to run into the bowl for a short time after the pedal is released.

When you wish to conserve water, hold the hand-spray head (if equipped) over the bowl and hold down the thumb-operated lever. When depressing the pedal, all the water is routed through the hand-spray.

The toilet used in the 33FB Classic is a design more like you would find in your home. It has a hand flush that dumps sewage and flushes the bowl. A black tank monitor is installed above the toilet to monitor black tank levels.

NOTE

When you dump the bowl of the toilet, make sure all paper and solids have cleared the slide mechanism before you allow it to close. Failure to do so can cause the groove for the slide to become jammed and the slide will no longer close completely.

Please see the toilet owner's/user manual for warranty and user tips, and maintenance information.

Deodorizers and Biological Chemicals

There are many deodorizers and processing chemicals on the market in tablet, liquid, and powder form. These not only combat odor, but also stimulate the bacteria that works to dissolve the solids and tissues in your waste tank. These chemicals should be introduced through the toilet prior to use per the manufacturers directions. It's also important to always add a few gallons of water by filling the toilet bowl a few times and depressing the foot pedal.

Faucets

Galley Faucet

Airstream Part #602437

Grohe - Model 30300DC0

Lavatory Faucets

30RB

Airstream Part #602550

Grohe - Model 32216

33FB

Airstream Part #602439

Grohe - Model 23737EN2

Electrical

Battery/12-Volt System Information

The major portion of electrical power in your Airstream is 12-volt. The 12-volt current powers all gas appliances for controls and/or ignition as well as lighting. An exception would be the range which has its own ignition source.

All 12-volt current comes through the battery system in the front of the trailer. The batteries are accessible in the battery box on the A-frame of your trailer. Power from the batteries goes to a set of Type 2 thermal breakers. The breakers are tied together by a brass bus bar. One breaker (30 amp) protects the 12-volt tow vehicle charge line coming from the 7-way cord. Another breaker (20 amp) feeds the trailer brakes breakaway switch located near the hitch coupler. A 50-amp breaker feeds the battery disconnect relay. The current leaves the relay and travels to the 12-volt distribution panel, located in the converter, and then to the rest of the trailer. Remove the false wood panel at the bottom of the wardrobe or the side panel below the aft booth seat, depending on the model, to access the panel and its fuses. A 12-volt layout diagram is shown in Section 8 - Maintenance.

If you replace a blown fuse and it immediately blows again, do not replace the fuse again until a qualified service technician can correct the problem.

If the replacement fuse holds for a week or more and the gap in the fusible metal is barely melted apart, this usually indicates an overload condition. Reducing the number of lights or appliances used on that particular circuit at the same time could prevent any further fuse failure.

Refer to Section 8 - Maintenance for important battery maintenance information.

Multiplex System

The Multiplex System provides advanced automation and mobile electrical solutions for your trailer. CZone® is a multiplex network system designed to combine multiple signals across a media to reduce wires and simplify end user control. The system combines all desired functions and controls of the trailer into a central location. Regional control panels are installed to operate specific areas such as; the bedroom, lavatory, and lounge areas. This system communicates through the router to give remote access to the trailer through the Airstream Smart RV Control App.

Mode buttons allow for a single press of the button to control several features of the trailer. Away mode turns off the lights to prepare for departure, while Onboard mode will turn on the interior lights.

Refer to Section 8 - Maintenance for Settings, Mode and Alarm definitions.

Systems Controlled By CZone®

- All lighting (inside and outside)
- Water pump
- Inverter (On/Off)
- Tank monitoring (Fresh, Black, Grey and LPG)
- Fans
- Tank heaters
- Power awning and awning lights
- Battery disconnect
- Cooling temperature control.

Menu

Pressing the “Menu” button, located at the top left corner of the touch screen, accesses the CZone® sub menus. This Menu will provide the user controls and information ranging from lights and temperature controls to alarms and notifications.

Favorites

The CZone® default screen display is the favorites page. After the screen’s initial boot up the favorites page will be displayed. There are multiple favorites pages represented by the dots near the bottom of the touch screen. Swiping left or right will move to the next page. The favorites pages provide quick access to the most commonly used features.

1. Page 1: Displays battery voltage, LP, and water tank levels. This page also provides buttons to turn the inverter ON/OFF and displays the status of shore and solar power.

2. Page 2: Swiping left on the screen will display the lighting controls for the travel trailer’s exterior lighting. Tap the icon to turn ON/OFF the desired light.

3. Page 3: Displays the lighting controls for the travel trailer’s interior lighting. Tap the icon to turn ON/OFF the desired light. Some lighting may be dimmable and can be adjusted by touching and holding the icon for two seconds. A secondary screen will appear allowing you to slide UP or DOWN to adjust the brightness.

4. Page 4: Displays controls for both the front and rear air conditioning units. The AC units can be operated independent of one another, meaning either or both units can be ON or OFF or in different modes.

5. Page 5: Fan Controls
   - 30’ Classic - On the 30’ rear bed model, the fifth favorites page provides controls to the front ceiling vent fan and the bathroom fan. The ceiling vent fan lid will need to be opened prior to use. The fan is equipped with a rain sensor which will automatically close the lid when the sensor becomes wet.

   - 33’ Classic - On the 33’ front bed model, the fifth favorites page provides controls to both the front and rear ceiling vent fans and the bathroom fan. The ceiling vent fan lid will need to be opened prior to use. The fan is equipped with a rain sensor which will automatically close the lid when the sensor becomes wet.

General Operating Controls

The Controls Menu provides a list of everything controlled by the CZone® system. Scroll UP or DOWN on the left side of the screen to view the list. Tap the screen when the feature you want to control is displayed. The right side of the screen will change to display the control options associated with that feature. Some basic feature information will also be displayed.

The filter function is handy in narrowing down the control list to make finding specific features easier. The filtering options are; In Operation, Pumps, Lighting, Power, Accessories, Fans/Ventilation, 24-Hour Circuits, Indicators and Alarms, and Power Awning.

Ceiling and Directional Lighting

All lighting in the Airstream trailer is LED and most will require a replacement fixture should it go out or malfunction. Lighting can be operated from the main touch screen control panel or from regional switch panels throughout the trailer. The Circuit Control Board is located below the wardrobe and is accessed by removing the false panel. Other control panels located throughout the trailer include; at the entry door, bathroom, and bedroom. These panels control an array of lighting along with specific systems in their respective locations. Refer to Section 8 - Maintenance for switch panel layouts.

If the main control panel or remote switches are not operating check the breaker panel for tripped breakers.

NOTE

Several control switch panels are installed throughout the trailer. Many fixtures can be operated on multiple switches. However, some of the fixtures they control are unique to the area in which they are located. For best use of the Multiplex system Airstream recommends learning the functions of each individual panel. Refer to the owner's manual provided for tips and information on how to use the system.

Battery Disconnect Switch

The battery disconnect is operated by using either the main Multiplex Control Panel or by pressing the ⏻ button on the Multiplex panel located at the entry door. You can also operate this function through the Airstream Smart RV Control app. The disconnect switch is used to separate the batteries from the 12-volt distribution panel.

When the trailer is plugged into an external AC power source the 12-volt distribution panel will receive power from the converter and the batteries will be charged through the converter charging system regardless of if the battery switch is in the ON/OFF position.

If the trailer is NOT plugged into an external AC power source and the switch is turned to OFF the batteries are disconnected and the 12-volt fuse panel will not receive power from the converter or batteries. The converter will not charge the batteries when no shoreline power is present. The OFF position is intended for storage of the trailer or when power conservation is desired.

The charge in the 12-volt batteries can be replenished, depending on the tow vehicle, from the tow vehicle alternator through the 7-way cord. This charge will flow to the batteries regardless of the battery disconnect switch position. Likewise, if ON or OFF, the solar panel will still charge the batteries.

NOTE

A 24-Hr circuit provides power to the router even when the battery disconnect is in the "Off" position.

Inverter

The inverter is a DC to AC, 1,000 Watt inverter, that converts 12-volt electricity from your batteries into 120-volt power. Operation of the inverter is controlled from the main touch screen on the first favorites page. The inverter powers the TV's/Entertainment devices and additional labeled 120-volt outlets. To operate these outlets, the inverter must be ON, unless connected to shoreline power.

If power is not needed to the outlets or entertainment devices, make sure the inverter is turned OFF to conserve battery power.

NOTE

Overloading the inverter will cause an automatic shutoff to activate. Removing the load will allow the inverter to reset.

Power Converter

The power converter is located below the wardrobe behind the false panel.

The converter transforms 120-volt AC into 12-volt DC. The converter/charging system is the interior low voltage electrical system that enables you to use the interior lights, fans, pumps, and 12-volt appliances, whether operating on self-contained battery power or 120-volt city power. 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 120-volt appliances. The converter system is designed to maintain constant output voltages regardless of the variances that occur in city power systems.

The converter is energized only when the trailer is hooked up to external AC power.

To test the converter, observe the following:

- Confirm 120-volt power is going into converter.
- Disconnect the 12+ wire from the master switch.
- Using a voltmeter, check voltage output between heavy gauge positive and negative wires coming out of converter.
- The voltage should be within 13.6 and 14.6 volts. (The meter of the tester should be calibrated periodically.)
- If converter is not within these voltages, have it serviced by a qualified technician or replace it.

One of these wires is not spliced onto a wire of the same color. It is the backup wire that is yellow in the cable and black in the harness.

A label on the inside of the converter door lists the circuits and what each fuse powers.

12-Volt Power Circuits

The current in the converter system is 12 volts direct current (12 VDC) negative grounded. Power sources that supply 12 VDC current to the system are as follows:

- Main charge line from tow vehicle
- Trailer batteries
- Converter

The power sources listed above are all electrically connected to the 12-volt distribution fuse panel that distributes current to interior branch circuits. The circuits provide power to operate all 12-volt DC lights, pumps, motors, and appliances.

The power converter is a solid-state electronic power supply and is maintenance-free. It is so self-sufficient and quiet that you will probably not know it is working except for the fact that your batteries are always charged, and your 12-volt lights and appliances always work.

If any 12-volt appliance fails to operate, first check your 12-volt distribution fuse block and inspect all fuses. If a fuse is opened or blown, replace it with the same size fuse (never install a larger fuse). If the fuse opens again, have an electrician or certified RV technician locate the circuit trouble. Replace blown fuses only with the same type and amperage size previously used.

If the power converter is not working, first confirm the RV supply or shoreline cord is plugged in to a live circuit. Then check all the 120-volt breakers in your RV distribution panel to make sure they are on. If the breaker is tripped, follow the instructions to reset the breakers. If the breaker trips again, consult an electrician or certified RV technician.

Converter Operation

The electronic power converter is designed to supply the nominal 12-volt-filtered DC power for all 12-volt-operated devices encountered in RV service. Although the converter is an excellent battery charger, the converter does not require a battery to be connected to it for proper operation.

NOTE

When installing a battery(ies), always observe polarity. Connecting a battery in reverse polarity will blow the power converter main fuses.

120-Volt AC Panel Board

The AC panel board section contains the 120 VAC branch circuit breakers for your RV. One of the breakers controls the 120-volt power to the 12-volt converter section. This breaker may also control another branch circuit. Check the label next to each breaker for what each branch circuit breaker controls.

The 120-volt circuits may be turned on by setting their breaker handle up to the ON position, or off by setting the handle down to the OFF position. To reset the tripped breaker, move the handle to OFF then ON.

The system incorporates GFCI breakers that implement an auto self-test functionality. When turned off, these breakers require external AC power to be present, or the AC inverter enabled, before they can be turned back on. If AC power is present from one of these two sources, and the breaker refuses to stay on consult an electrician or certified RV technician.

Converter Cooling System

The power converters electronic fan cooling system is the key to long life and trouble-free operation. The fan is never on more than required to cool electronic components in the converter. You may never hear the fan operate.

Automatic Micro-Controller Operation

The power converters 2-stage switch mode is fully automatic. The converter senses which mode it needs to be in by checking the condition of the batteries. The two modes include:

Absorption Mode: During this mode the converter output is in the 13.6 VDC range. This is the mode that the converter will function at normally. This mode provides the 12 VDC and the current required by the trailer.

Bulk Mode: In this mode, the output voltage of the converter will switch to 14.6 VDC range for a maximum of four hours. If the converter cycles between “Absorption and Bulk modes”, there could be a shorted battery cell or other issues.

120-Volt Electrical System

City Power

When your trailer is hooked up to external AC power, the converter system automatically charges the trailer batteries regardless of the position of the battery disconnect switch located on the Multiplex Control Panel. If the 7-way cord is hooked up and, depending on your vehicle, your tow vehicle battery will be charged as well. The 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. If you are making an extended stay, you should keep your trailer hooked up to a 120-volt current if it is available.

While you are connected to external AC power, the wiring is protected by circuit breakers in the breaker panel. The circuit breaker panel for the 120-volt system is located in the converter. In the event of a failure of a 120-volt circuit, first check your trailer circuit breakers and the breaker for the outlet into which your trailer shoreline cord is plugged. 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. Try lessening the load on the circuit. Perhaps an electric griddle, hair dryer, or an electric heater can be turned off. If that does not solve the problem, consult an Airstream Service Center.

The 120-volt electrical system provides power to operate the air conditioner, converter, and 120-volt receptacles for portable appliances. The power is carded through the 120-volt city power flexible cord to the 120-volt distribution panel, and then is distributed to each appliance or receptacle. Exterior outlets for 120-volts are located on the curbside exterior wall.

All wire, components, and wiring methods conform to federal and state requirements.

Converter

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

In some older parks and other locations where three-pronged outlets are not available, certain precautions to ensure proper grounding and polarity must be taken. These precautions are listed below:

1. Attach the three-pronged plug to a two-pronged adapter. The third conductor line of this adapter has a short wire lead, that must be grounded.
2. For proper grounding, connect the short ground lead to a grounded outlet box or to a cold water pipe. When no water pipe is available, drive a metal rod two feet into the ground and attach the ground lug to it, thus, providing the unit with proper grounding.

To operate self-contained, simply disconnect the power supply cable.

NOTE

When the three-pronged plug can be used, there will be no problems with proper polarity or grounding with a properly wired shoreline outlet.

NOTE

When operating with city power, make very certain that the service is 120-volt and not 240-volt.

Ground Fault Circuit Interrupter (GFCI)

Most states require trailers with exterior 120-volt receptacles and receptacles close to a water sources, such as a faucet, to have a ground fault-circuit interrupter. When properly installed, the GFCI circuit breaker provides reliable overload and short-circuit protection, plus protection from ground faults that might result from contact with a **HOT** load wire and ground.

WARNING

The GFCI circuit breaker will NOT reduce shock hazard if contact is made between a HOT load wire and a neutral wire or two HOT load wires.

Each GFCI circuit breaker is calibrated to trip with a ground current of 5 milliamperes or more. Since most people can feel as little as 2 milliamperes, a distinct shock may be felt if the need for protection exists. However, the shock should be of such short duration that the effects would be reduced to less than the normally dangerous level. However, persons with acute heart problems or other conditions that can make a person particularly susceptible to electric shock may still be seriously injured. 120-Volt power needs to be present to reset the GFCI breaker.

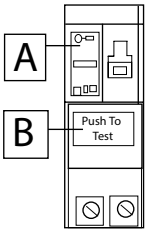
While the GFCI circuit breaker affords a high degree of protection, there is no substitute for the knowledge that electricity can be dangerous when carelessly handled or used without reasonable caution.

WARNING

The GFCI circuit breaker provides protection only to the circuit to which it is connected. It does NOT provide protection to any other circuit.

GFCI Breaker Test

Perform this test on the GFI circuit breaker each month and record the date.



1. With handle A in “ON” position, press PUSH TO TEST button B.
2. Handle A should move to TRIP position, indicating that GFCI breaker has opened the circuit.
3. To restore power move handle A to “OFF” and then to “ON“.

If the device remains on when the Test button is pushed, the GFCI is not working properly or has been incorrectly installed (wired improperly). If your GFCI is not working properly, call a qualified, certified electrician who can assess the situation, rewire the GFCI if necessary, or replace the unit.

NOTE

All GFCI breakers implement an auto self-test function, however, Airstream recommends a manual test be conducted every month.

Entertainment Systems

Fusion® Apollo™

The Classic comes equipped with a Fusion® Apollo™ Stereo which has an LCD color touchscreen display so you can simply tap the screen to pause and play, or swipe through your playlist to your favorite song. The Apollo features several source options such as Bluetooth, advanced SiriusXM features, FM radio, AUX and USB connections.

Download the Fusion-Link Remote Control App to adjust the volume, change the source, and control other functions of the stereo. See the Fusion Quick Start Manual for complete operating information.

TV and Blu-Ray Player

The Classic trailer comes equipped with LED HDTV's and a Blu-Ray player.

The 33FB Classic model is equipped with a projector, powered projection screen, and a sound bar.

Please refer to the documentation included in your owner's packet for instructions on their use.

TV Antenna

The installed omnidirectional antenna provides excellent reception of VHF/UHF TV channels. The TV antennas compact modern styling is unobtrusive and blends well with the designs of recreational vehicles.

The amplified signal maximizes signal strength to provide the best TV reception available in your area. The antenna receives free VHF, UHF and FM signals. Manufactured with durable automotive-grade plastic, the antenna is weatherproof, UV-protected and resistant to rust.

Cleaning Antenna Housing

The antenna is constructed with an automotive-grade plastic. Clean only with mild soap and water. Use no solvents, alcohol, or cleaning fluids. Do not power wash any part of the base mount of head of the antenna.

TV Wall Plate Power Supply

The wall plate/power supply provides 12 VDC to the antenna as well as antenna signals to two TV sets. Cable input from outdoor receptacle connects to the wall plate and may be switched so either antenna or cable/satellite signals may be watched.

Operation

To receive cable signals from the outdoor receptacle: Press switch to OFF position. The light on the wall plate will go (OFF) showing that power is no longer connected to the antenna and that both TV sets are receiving signals from the outdoor receptacle. To receive signals from antenna: Press switch to ON position. The light on the wall plate will come (ON) showing that power is connected to the antenna and both TV sets are receiving signals from the antenna.

Review the manuals included in your owner's packet before operating the system.

Satellite Antenna Pre-Wiring

Your unit is pre-wired for a portable satellite antenna. The exterior inlet is located on the side or rear panel of the trailer and is labeled for your convenience. The interior pre-wire, consisting of a 2-pin power/ground connector and a coax cable pigtail, is located in the roof locker under the Blu-Ray player.

Smart RV Control Technology

Smart RV

Airstream Smart RV Control Technology gives you the comfort and connectivity you need with the control you want. The multiplex network system communicates via the onboard router with the Airstream Smart RV Control app to give the ability to monitor resources, and control vital features of your Airstream while at the unit or away on an adventure. The mobile app provides you quick access to your owner's manual, checklists, and customer support contacts. The GPS feature allows you to easily find your way back to camp should you take a wrong turn. Simply download the Airstream Smart RV Control app from your respective app store to begin your Airstream Experience. The Smart RV Control system can also be used to update the multiplex system if need be and aid technicians with troubleshooting, should there be an issue. More information on subscription packages and functionality is included with your owner's packet**.**

Connected RV

Router

Your Airstream includes a dual band (2.4GHz/5GHz) router which allows you to easily connect to the internet via either a cellular subscription or with access to an external wireless connection. The Connected system can provide a Wi-Fi hot spot for multiple devices including a separate login for guests (Retail cellular plans sold separately. Data and connection charges may apply). The router is located in the front roof locker. The key in the locker near the router disconnects power to the router and 24-hour network, including the fan controls and battery disconnect switch. This can be used to conserve power while boondocking when away from the unit, when in storage, or to reboot the router.

As part of the pairing process, your device will display the Wireless Network Name (SSID) and password for your wireless/cellular hotspot router. This creates a secure password protected connection. Use this name and password to connect other devices to your Airstream's Wi-Fi network. You can find this information and FAQ's in the "more" tab of the mobile app.

Antenna

The High-gain multi-band antenna in conjunction with the router can boost an external Wi-Fi signal or connect to a cellular connection. It also allows for basic GPS location services through the app.

Connecting to the Smart RV Control App

1. Download the Airstream Smart Control app from the Apple© App Store or Google® Play Store.
2. Create a user account. Only one account can be paired to your Airstream at a time, however, you may use multiple devices with the same account.
3. Confirm the Wi-Fi key switch is turned "on" next to the router in the front overhead cabinet.
4. Follow the pairing process in the app to connect to your Airstream. The sticker containing the QR code is located in the front overhead cabinet. Do not remove this label as you will need it to re-pair the trailer if necessary. You are now ready to begin your adventure.

NOTE

Do not remove the QR label as it will be required to re-pair to the trailer if necessary or by service technicians for updates and diagnosis.

WARNING

Do not use Connected and Smart RV control services and functions when driving or when the RV is otherwise in motion. Serious damage to the RV or property or serious injury to yourself or others may occur as such systems or functions may distract your attention from the road and/or may operate features of the RV which are intended for use only when in a stationary position.

NOTE

Airstream Smart RV Control products and services are intended for use in the United States only. Requires compatible device and Internet connection. Not all features available in all areas at all times. Additional data and connection charges may apply. See Terms of Service for important details.

NOTE

Depending on your service provider and data usage, roaming charges may occur.

NOTE

Using the key to turn off the system will disable the GPS function and other Smart RV Control services, as well as the battery disconnect switch.

Privacy Disclaimer

Airstream Connected RV and Smart RV products and services (collectively, “Connected RV”) contain systems which may collect personal and other information from or about you, your devices, your RV (including its location, how and where it is used, and telematics data), and your Internet connection. We may also collect such information from applications, devices, and services you use in connection with your Connected RV.

We collect and process (including use, store, disclose, and share) personal information for a number of reasons, including providing assistance to you, troubleshooting, improving Airstream products, and to offer you products and services which may be of interest to you. Please read our Connected RV and Smart RV Terms of Service (www.Airstream.com/legal-notice) (“Terms of Service”) and our Privacy Policy (www.Airstream.com/privacy-policy) (“Privacy Policy”) for more specific information about the data we collect and process, our privacy practices, your rights, and important updates. Other parties may seek to access data independently of Airstream. Those parties are not subject to Airstream’s Terms of Service or Privacy Policy.

Data and privacy protection laws where you use the Connected RV products and services may impose certain responsibilities on you with respect to your use of the products and services. You are responsible for ensuring you comply with such laws when you use the products and services. You are responsible for informing those you permit to use or occupy your Connected RV (with or without you, and including anyone to whom you loan, give, or sell the Connected RV) how data related to their use of the RV may be collected and processed.

You may request to have automatic data transmission and collection disabled or limited by contacting Airstream Customer Service. The functions and features of Connected RV products, systems, and services may be limited or may not work at all if you choose to prevent or limit the transmission, collection and processing of data and/or Airstream may terminate access to such functions and features in such an event.

Please contact Airstream Customer Service at 877-596-6111 or as provided in the Privacy Policy if you have questions or requests concerning Airstream Connected RV products, the collection and processing of data, or our privacy practices

Appliances

All appliances are delivered to Airstream Inc. with in-depth owner’s manuals. Those manuals are included in the delivery case supplied by your dealer. The manuals may contain warnings, cautions, and operating instruction that should be read and followed before operating the appliances.

The information contained in the appliances manuals supersedes any information contained in the Airstream Trailer Owner’s Manual on appliances. If you believe contradictory information on appliances is contained in this manual, or If any appliance manual(s) have not been provided with your trailer, contact your dealer, the respective appliance manufacturer, or Airstream Customer Service at 937-596-6111 or write:

Airstream Factory Service Center

428 W. Pike Street

P.O. Box 629

Jackson Center, OH 45334-0629

(937) 596-6111

NOTE

Airstream recommends shutting off the gas supply at the LPG tanks before refueling the tow vehicle or entering a refueling station.

Maintenance

Follow the instructions and warnings noted in the respective appliance and equipment owner’s manuals, as well as those mentioned below.

Annual maintenance should be conducted on propane gas appliances and equipment by an authorized dealer or repair facility.

Insects can build nests in the burners of various appliances and equipment. The burner and burner orifice of the propane gas appliances and equipment should be cleaned by an authorized dealer or repair facility any time circumstances or conditions warrant, but no less than on an annual basis.

WARNING

Most LPG appliances used in recreational vehicles are vented to the outside of the vehicle. When parked close to a gasoline pump, it is possible that gasoline fumes could enter this type of appliance and ignite from the burner flame, CAUSING A FIRE OR AN EXPLOSION.

Air Conditioner

The roof A/C used on Airstream's Classic trailers has the lowest profile of any A/C on the market today. Coupled with an industry exclusive fiberglass basepan this lower profile and lighter weight means less drag and improved fuel efficiency. In your owner's packet is a set of literature covering all operating and maintenance instructions. If the literature is misplaced, contact the A/C manufacturer or your Airstream dealer for replacement.

Proper voltage to the air conditioner is critical. A voltmeter check may find voltage much lower at a campground shoreline outlet than the needed 110 to 120 volts. Low voltage is usually associated with older or poorly maintained trailer parks. Parking your trailer so the power cord can be plugged in to a receptacle close to the fuse or circuit breaker box can alleviate low voltage problems. Avoid extension cords and adapters whenever possible. If an extension cord must be used, it should be as short and heavy as possible to provide the most current.

If high temperatures are expected, make an effort to park in a shaded area. Starting the air conditioner early in the morning also helps. It is more efficient to hold a comfortable temperature than it is to lower the temperature after the interior of the trailer is already hot.

NOTE

Review the air conditioning literature supplied in your owner's packet before proceeding.

Dual Climate Controlled Zones

On Classic models the main Multiplex control panel is used to control both the front and rear AC units independently. In the climate screen press the "Front AC" button to select and set your desired temperature for the forward AC unit. Pressing "Rear AC" allows you to select and set additional settings for the rear AC.

Heat Pump

Your air conditioner has a built in heat pump designed to take the chill out of the air. To operate, tap "heat pump" for the desired zone on the Multiplex panels climate control screen. The heat pump will run until the current temperature reaches the set temperature and then shut off.

NOTE

If operating on 30 amp service, running the heat pump and furnace on electric together could cause the breaker to trip. It is recommend to be connected to 50 amp service or to minimize the use of other appliances while running the heat pump.

Cooktop

There is little difference between the operation of home gas ranges and the trailer's cooktop. If, however, you are used to an electric range, operating confidence can be quickly gained by reading the manufacturer's directions provided in the owner's packet. Manufacturer's service and parts manuals are also available.

WARNING

An operation manual for the cooktop has been provided with your owner's packet. If this has not been provided with your trailer, contact the listed manufacturer to obtain. Their manual contains specialized warnings and cautions that should be reviewed prior to operating the appliance.

Ceiling Vent Fan

The high-volume roof vent system is designed to quickly exhaust stale, hot air and draw in fresh air. It is great to use when the outside temperature does not call for air conditioning, but heat has built up in your trailer. The core of the system is a powerful rotary fan that works with a slightly open window to create a balanced airflow. It is designed for maximum air exchange, minimum sound levels and power consumption. Fresh, clean, natural air is pulled in. Hot, stale, stuffy air is pushed out.

The controls for the roof vents have been incorporated into the Multiplex System. The vent lid can be operated by pressing the Open/Close buttons in the climate control menu on the Multiplex control panel. Pressing the fan button once will turn the vent fan on low. Press the button a second and third time for medium or high. Pressing the button a forth time will turn off the fan.

NOTE

For maximum airflow, do not close Vent Shade, if equipped, while using Exhaust Fan

Thermostat and Rain Sensor

The fan is equipped with a built-in thermostat. Set the fan to auto and select your comfort setting on the Multiplex main touch control panel and the fan will automatically turn on and off as your trailer heats up and cools down. When the rain sensor becomes wet the dome will close automatically and shut the fan off. It will need to be manually restarted if the rain sensor shuts off the fan. If you are using the Airstream Smart RV Control app, you will get a notification if the rain sensor is activated.

NOTE

The vents can be put into auto mode only when HVAC is set to off. In auto the vents will only shut off and close when the temperature is 2° below the set point. Setting the climate control to anything other than off will bring the vent fan out of auto mode.

NOTE

Fan motor will not start if temperature selected is warmer than interior temperature of the trailer.

Cleaning Instructions

1. Turn fan motor off.
2. Remove screws around perimeter of screen insert only.
3. Clean screen with soap and water solution, dab dry with a soft cloth, and reinstall.

⚠ CAUTION

This product has been manufactured using prime UV stabilized Polymers for maximum toughness and durability. However, the use of non-compatible chemicals will cause cracking and product failure. Please refer to the user's manual provided in your owner's packet for more information.

If your vent fails to operate properly under normal conditions, please contact the manufacturer. Please have the retail sales date and the vent Serial Number readily available when you call. Refer to your operating guide for contact information.

Exhaust Vents

Classic models use round ventilators in the bathroom and shower areas. The shower vent is opened by pushing straight up on the crossbar handle and pressing the red switch to engage the fan motor. The exhaust fan in the bathroom can be turned ON/OFF by pressing the button on the area Multiplex control panel.

⚠ CAUTION

Turn off the fan prior to closing the vent. Damage to the motor can occur if the fan is ran with the vent closed.

Furnace and Water Heater

The Alde central heating and hot water boiler is a hydronic system that works by circulating hot glycol fluid through pipes while convectors located along the outer walls heat the air. As the hot air rises it heats the walls and surrounding furniture. When the warm air reaches the ceiling it circulates back down to the floor and is reheated by the convectors. The built-in water heater automatically adjusts its power output to match demand to ensure maximum efficiency operating on either LPG, 120V or both. The compact design allows for all connections to be located on the front of the boiler which allows for easy access and maximizes usable space.

Both LP Gas and electric heating use hot glycol fluid to heat the space in the RV. In order to achieve the best possible results from convected heat, it is important to allow air to circulate freely. Ensure that the air supply to the convectors is not obstructed in any way. It is just as important that cushions or blankets do not interrupt the flow of air behind backrests and wall cabinets.

Refer to Section 8 - Maintenance for location and information on filling the expansion tank.

WARNING

The heating system must be filled with a mixture of water and glycol. Use only high quality ready-mixed Propylene glycol (with inhibitor) intended for use in aluminum heating systems. The glycol must carry the label GRAS (generally recognized as safe). Alde recommends only using ALDE brand glycol specifically formulated for the Alde heating system.

Shower Boost Mode

Before taking a shower it is recommended the “boost” function be activated 10 minutes prior. This can be done by pressing the button for shower boost from the Alde control panels “menu” screen. Turning ON the boost function will temporarily suspend heat to the trailer and raise the water temperature. After 30 minutes the system automatically returns to normal operation. Boost mode can be canceled and the system returned to normal operation before the 30 minute run time by pressing the button.

NOTE

The Alde Service App gives you access to overviews, manuals, and other useful service information whenever you need service and support. Download the app at your respective smart phone app store.

Control Panel

Alde’s 3.5” touch screen control panel has been installed next to the main Multiplex touchscreen panel. The background lights up when you press the screen or the MENU button. Settings are automatically saved after 10 seconds and the control panel reverts back to standby after 30 seconds of inactivity.

Normal operation of the system will only require a press of the MENU button to access the settings menu. On this screen controls are displayed to set the temperature, turn on shower boost, selecting level 1 or 2 electrical operation, or turning ON gas operation.

For more information on the Alde control panel or for servicing the system please refer to the supplied Alde user manual.

NOTE

Prior to setting a heat mode you must first select electric, gas, or both as the heating method.

NOTE

Follow the instructions provided in your owner’s packet for operation of the control panel. If warranty service is required, use only a service location recommended by the furnace manufacturer or your Airstream dealer.

Microwave Ovens

Refer to the Certified Performance Checkout sheet, included in your owner’s packet, for manufacturer, model, and serial number information.

Monitor Panel

The display is the only system component that is accessed by the user. The display shown above is located inside the galley cabinet. All user input to the display is done using the buttons along the bottom of the display. This information is available on the main Multiplex touch screen and communicates through the Airstream Smart RV Control app.

NOTE

The following information is for use of the SeeLevel II Monitor Panel. The Multiplex Systems main control panel can also be used.

The display receives the information from the three sender pads via a single, two-conductor wire, and displays the level information in percent of full on a three-digit, LED display. When the front panel button for a particular tank is pressed, the display powers up and displays the level for that tank. If the button is pressed and released, the display will show the level for about 5 seconds and then shut down automatically. If another button is pressed before the display shuts down, then the new level will immediately be shown. If the same button is pressed twice, the display will hold on that tank and continue to show updated levels for 5 minutes before shutting off. This allows the user to monitor the filling or draining of the tank. By pressing two buttons at once, the diagnostic functions can be accessed.

Sender pads are installed and stuck to the sides of the holding tank. The sender scans the water level through the tank wall using digital techniques programmed into the sender microprocessor.

To Read a Water or Sewer Tank Level

1. Press the button corresponding to the tank to be checked and release it, the display will show the levels in percent on the LED display. If no other button is pressed, then the display shuts off after about 5 seconds.
2. If another button (including BATT) is pressed before the 5 second time is up for the first button, the display will immediately switch to show the new level or voltage. The 5 second time-out is restarted every time a button is pressed.
3. To continuously display a reading, press and release the desired button, and then press the same button a second time. When the button is released, the display will be on hold mode, which is indicated by the decimal point on the right hand side turning on. While the display is in the hold mode it will recheck the level once per second so the user can watch the level change while the tank is being filled or drained. The display will automatically shut off after 5 minutes in hold mode. To end the hold mode before the 5 minutes is up, press any tank button, and the display will shut off.

To Read the Battery Voltage

1. Press the BATT button and release it, the display will show the battery voltage on the LED display.
2. If no other button is pressed, then the display will shut down after about 5 seconds. If the BATT button is held down, the display will continuously recheck the voltage and show the updated value. The reading may flicker back and forth between two values.
3. If another button is pressed before the 5 second time is up for the BATT button, the display will immediately switch to show the value for the new button. The 5 second time-out is restarted every time a button is pressed.

Refrigerator

Review all refrigerator literature supplied in your owner's packet or stored in the refrigerator prior to operating it.

The refrigerator is all-electric and features a strong 12V compressor, no LPG is required. To turn the refrigerator on, touch and release the ON/OFF button. The blue indicator light will glow solid blue to indicate that the refrigerator is on. To get ready for a trip, start your refrigerator and let it cool for eight hours before loading with food. For the best cooling performance, let air move freely inside the compartments. The freezer and refrigerator compartments operate independently of each other. To shut down the refrigerator, touch and hold the ON/Off button for 5 seconds and release. During travel the door latch prevents the door from opening. Close the door toward the refrigerator until you hear a "click" sound to ensure the door is properly latched.

It will be necessary to defrost the refrigerator and freezer compartment from time to time. Frequency depends on usage, the number of times the door is opened and closed, and the humidity level. To defrost, turn the refrigerator off and prop open the door. Most of the condensation will run out of the condensate tube to the outside of the trailer. Use dry towels to keep extra condensation from dripping onto the floor. Do not use heat or sharp objects to speed up the defrosting process as this can damage the unit.

Clean the interior periodically with mild cleaner or solution of liquid dish detergent and warm water. Rinse with a solution of baking soda and clean water. To decrease the amount of ice that collects on the rear wall of the refrigerator freezer and fresh food, cover all liquids and moist food, let all hot foods cool before putting them in the refrigerator. Do not open the door any longer than necessary. The freezer compartment is made to keep pre-frozen food frozen and not to quick freeze food. Ensure the airflow vents are clear and clean for optimal operation.

Solar System

Airstream utilizes Zamp solar panels and a Victron Blue Energy charge controller. Ensuring the panels are clean and not shaded by trees or other interference will promote solar charging. Manuals on their use are included with the Airstream owner's packet. The solar charging information is displayed on the Multiplex touch panel and on the Airstream Smart RV Control app.

The Victron charge controller is configured for a three step charging process:

1. Bulk - The controller delivers as much charge current as possible to quickly recharge the batteries.
2. Absorption - The controller switches to a constant voltage mode.
3. Float - Voltage is applied to the batteries to maintain them in a fully charged state.

A single port has also been pre-wired in the front of the unit, near the battery box. This port is a quick plug-in for a portable solar charging kit.

Refer to Section 8 - Maintenance for Solar Panel Wiring diagram and information.

Smart Shunt

The trailer is equipped with a Smart Shunt, used to determine the State Of Charge (SOC) of the batteries. SOC is a more accurate means of determining the percentage remaining of the lithium batteries, based on current usage. The Smart Shunt can be linked to the Airstream Smart RV Control app, which allows for the monitoring of the batteries from a connected device. The Airstream Smart RV Control app is available to download for both, Apple and Android devices.

Calibration

The system is calibrated at Airstream, however, if the batteries are disconnected or fully discharged, past the state of BMS protection, the Smart Shunt will need to be recalibrated. To do so, the batteries must be fully charged to a peak voltage of 14.3 volts. If the shunt is not calibrated correctly, the SOC status will appear dashed out.

NOTE

The converter has a maximum charge time of 4 hours, which may not be long enough to fully charge the batteries. To continue charging, disconnect the shoreline power supply and reconnect. This will allow the converter to continue charging for another 4 hours.

adventure, inspired by AIRSTREAM

Section 6
EXTERIOR

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Cleaning

Exterior Skin

We recommend the trailer be washed about every four weeks, and waxed with Walbernize Super Seal or high quality clearcoat-safe wax in the spring and fall. In coastal and industrial areas, cleaning and waxing should be done more frequently. When traveling through winter weather, all road treatment chemicals should be removed immediately.

NOTE

Abrasive polishes or cleaning solvents such as automatic dishwasher or acid etch cleaners are too strong and should never be used. Rinse all grit from surface prior to washing. Use soft rags or wash mitts, always moving lengthwise with the grain of the trailer (washing or polishing). Never rub hard on the coating. Even the softest rag will damage the coating if excessive pressure is applied.

NOTE

Always clean your trailer in the shade or on a cloudy day when the aluminum skin is cool.

Oil, grease, dust, and dirt may be removed by washing skin with any mild non-abrasive soap or detergent. Cleaning should be followed by a thorough clean water rinse. Drying the unit with a chamois or a soft cloth may prevent spots and streaks.

After cleaning and drying, a good grade of non-abrasive 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.

It is important to remove substances such as sap, gum, resin, and asphalt as soon as possible by washing and waxing. 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 the spots individually, being careful not to scratch the finish.

If a substance is found on the coating that cannot be removed by normal washing procedures, Airstream recommends using DX 330 Acryli-Clean, made by PPG Industries. Follow all directions and warnings on the product container.

Acryli-Clean should be used by trained personnel only, using the proper equipment under controlled conditions. Use the Acryli-Clean as sparingly as possible to remove glue, tar, and other similar substance.

To keep your trailer looking new, periodically paint the A-frame, LPG tanks, and rear frame.

It is recommended that the caulking and sealant used in external seams and joints, such as end-shell segments and around window frames, light bezels, beltline, and rub rail molding, etc., be checked once a year. If this material has dried and become cracked or checked, or if a portion has fallen out, it should be replaced with fresh material to prevent possible rain leaks. Caulking and sealing products are available from your Airstream dealer.

Windows

Clean your trailer windows the same way you clean the windows in your home. Clean the seals with a damp cloth and mild detergent every three to six months. Do not 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 trailer.

WARNING

Failure to properly clean and lubricate the window seals could result in the window sticking to the jamb. Window seals that become stuck to the window jamb should be released by a qualified technician trained in the procedure. Do not force, pry, or apply great pressure to open the window. Failure to heed this warning may cause the window to shatter and/or cause personal injury.

For replacement of a damaged window, contact an Airstream Service Center.

Aluminum Wheels

The aluminum wheels and axle end cover come treated with a clear coating. Keep them looking good by washing with soap and water. Do not use abrasive cleaners or polishes on coated aluminum wheels.

General Information and Operation

Main Door

The main door of the trailer is manufactured with a built-in keyed dead bolt and door lock. The door lock is engaged from the inside by a lever and the dead bolt is engaged by turning the knob.

A main door hold-back is mounted on the trailer's exterior side skin. The hold back secures the door to the side of the trailer. When opening the door, push it gently into the spring-operated slide. To release the door, slide the hold-back bolt back.

For lubrication and out-of-adjustment issues, refer to Section 8 - Maintenance.

⚠ CAUTION

When towing, the door lock and dead bolt must be secured. If it is not locked, the constant vibration of travel may cause the door to open resulting in possible damage.

Screen Door

The screen door is secured to the main door by a slide bolt-type latch. It can be operated independently by releasing the slide bolt and swinging the screen door away from the main door.

⚠ CAUTION

Always reattach the screen door to the main door prior to closing the main door; otherwise, damage may occur.

Door Bell

The Classic is equipped with a door bell system that is powered by 4 C batteries. The door bell is located on the entrance wall. The button to operate the door bell is located right outside the main entrance door.

Emergency Escape Windows

To remove the screen, pull out the screen cord by the cord loop at the bottom portion of the window. Turn the two red latches inward and lift the two red arms on each side, in unison, to open the window and push it out for clearance.

Front End Protection

Window Stone Guards

Stone guards may be provided for added protection on the front windows. To open the guard, unhook the two rubber T-handles on the bottom of the guard, raise the stone guard to the desired height, and tighten the thumb screws on each support arm. Be sure to lower and fasten the guard when high winds may be approaching and before travel.

Wrap Protectors

The front end of the trailer exterior shell may be equipped with stainless steel protectors covering the lower corner wraps. The protectors provide added protection from road damage. The protectors can be moved out of the way for cleaning the shell by unbolting and swinging the protectors forward on the hinge.

Step

To operate the step, lift up on the front of the step and pull straight out until step locks into place. After extending step, the second portion folds out. To store the step, fold it back into position, lift the front slightly, and push the step back into its storage area.

⚠ CAUTION

Once the steps are lowered, press down on them to make sure they are secure in their notches. Never travel with step lowered or extended.

Power Awning

The awning's primary function is sun protection. It is not water proof, therefore, roll up your awning in case of heavy rain, wind, or snow. Complete operating instructions have been provided with your power awning. Make sure your traveling companion is familiar with the operation of the awning.

The Awning Menu provides power awning controls to OPEN and CLOSE the awning. The status display will change while the awning is in motion. The awning can be stopped at any point for partial extension by tapping the icon a second time. LED light strips have been installed with your awning providing accent lighting. The LED lights are operated by the main Multiplex control panel or the Exterior light Master on the panel located at the entry door.

Once the awning has been fully OPENED tilt icons will be displayed. Tapping the icons will tilt the awning towards the front OR rear of the travel trailer. The status display will change to read the current tilt. The awning can not be tilted in both directions at the same time

The power awning will automatically lock if the travel trailer is plugged into a tow vehicle through the 7-way plug, and the tow vehicle's brake pedal is pressed. The touch screen's awning status will display "locked." To unlock, press and hold together the tilt front and tilt rear buttons located on the entry door switch panel.

Clear tape is placed between the exterior skin and the awning fabric to prevent the awning fabric from rubbing on the coating, thus wearing through it. Inspect the tape every year or after a long trip. Have it replaced if it begins to wear thin.

The power awning is controlled by either the switch panel located inside the main door or the main Multiplex control panel. You can also control the awning through the Airstream Smart RV Control app. You will get a pop up to confirm when using the app to ensure you are intending for the awning to deploy. Make sure that there is nothing that can impede the deployment of the awning.

NOTE

If wind or extended periods of rain are expected, roll up the awning and secure in traveling position.

⚠ CAUTION

The effects of wind and rain on any awning are unpredictable. Severe damage to the trailer and/or the awning may result and cannot be covered by warranty.

⚠ CAUTION

Ensure that there is nothing impeding the deployment of the awning when using the app away from the trailer.

Gravity Water Fill

The gravity water fill is located on the side of the trailer, behind a locked compartment. It is used to fill the fresh water tank with potable water. A small vent is located next to the port to allow air to expel from the tank as it is filled.

Fill the water tank by inserting a high-pressure RV/Marine FDA approved drinking water hose of at least ½-in. diameter made from material that is tasteless, odorless, and non-toxic. It's a good idea to let the water run through the hose for a short time to flush it out. RVers sometimes fill their tanks with "home" water to avoid strange water that may be distasteful to them on short outings. Remember, the more water you carry in the fresh water tank, the less cargo carrying capacity you have for other items. The amount of water in the tank may be checked on the Multiplex Control Panel.

City Water Hookup

The city water hook-up is located on the side of the trailer. For consistent water flow and plumbing line safety, an in-line regulator limits pressure to 50 psi.

Use a tasteless, odorless, and non-toxic high-pressure hose of at least 1/2 in. diameter designed for RV use. The city water inlet is a standard garden hose thread. We suggest you carry two lengths of hose in order to reach hookups farther away than normal, plus, to have a spare.

After hooking up the hose and turning on the city water valve provided in the park, slowly open a faucet. There will be a lot of spurts and sputtering until all the air is expelled from the trailer system. If the water heater is empty, it will take some time before all the air is expelled and a steady flow of water occurs at the faucet. Once a steady flow is achieved at one faucet, the others should be opened long enough to expel the air in the lines going to them.

Your plumbing system has a built-in pressure regulator to protect your lines and faucets from extremely high pressures on some city water systems.

Exterior Shower

Classic units are equipped with a stainless steel exterior shower. This shower consists of a shower hose, shower head, and water valve inside of a lockable exterior door. Water is supplied by the pump or city water hookup.

120-Volt Outlet and TV/Satellite Inlets

Inlets for TV/Satellite and an outlet for a 120 volt receptacle is located on the curbside of the travel trailer and is labeled for your convenience. The trailer must be plugged into a shoreline power supply for the outlet to operate.

The TV and satellite inlets can be used to connect a campground cable source or portable satellite antenna for viewing inside the travel trailer.

Shoreline Power Supply

Your Aistream is equipped with a SmartPlug power inlet located on the road side of the travel trailer. SmartPlug inlets offer superior performance and ease of use. A few features of the SmartPlug include:

- Eliminates Overheating - Increased pin & clip surface area greatly improves electrical conductivity during high amperage demand.
- Ease of Use - No twist required, the unique plug body shape and push-in design means it only goes in the right way every time - even in the dark!
- Multi-Point Locking System - Side clips lock the plug securely into the inlet which eliminates any stress on the pins from movement of the power cord.
- Weatherproof Seals - Multi-fin silicone gaskets installed in the inlet cover and interior of the plug body eliminates moisture penetration.

The SmartPlug incorporates a reverse polarity feature which will include a series of light codes to let you know the condition of the power coming from the campsite power pedestal. Please refer to the provided SmartPlug owner's manual for more information on reverse polarity and the light codes.

Many campgrounds provide less than 30-amp service and your hookup may blow their fuse or circuit breaker. If this happens, reduce the load and replace the fuse or reset the breaker.

Hitch/Coupler

The EZ-Latch coupler features a simple-to-use latching mechanism. Hooking up is as easy as dropping the coupler on to your hitch ball. Simply make sure that the coupler is properly lined up with the ball, then lower the coupler. The coupler will automatically open and latch into place when lowered onto the hitch ball. To disengage coupler, pull up on latch and raise coupler off of hitch ball. Return the coupler latch to the latched position to ensure that coupler is ready to be latched again. The coupler features a strong composite handle, If the handle does get damaged or becomes missing, the coupler is still completely operational until the handle can be replaced. Replacement parts can be purchased through your Airstream Dealer. See additional information included in your owner's packet.

Axle and Running Gear Assembly

Each Dexter Torflex® rubber torsion axle is aligned during manufacturing, and double-checked on a random basis. Alignment after delivery is the customer's responsibility.

Hitting chuck holes or rough railroad tracks while traveling straight will only cause misalignment after the tire has struck such objects many times. Of course, a deep enough hole can affect the alignment immediately.

The worst culprit is a curb because they are normally struck at an angle. Rear axles are occasionally damaged when people are attempting to park beside a curb while backing up their trailer.

The trailer axle(s) is bent upward in the middle. This bend is normal and is how the camber is obtained. Also, toe-in is built into the axle by very slight bends in the axle tube on each end.

Tire wear indicates misalignment. Check with your dealer for the nearest location with the proper equipment to correct the trailer's alignment.

Refer to Section 8 - Maintenance for camber and toe-in specifications.

Nev-R-Lube Drums/Bearings

Dexter's Nev-R-Lube bearings are comprised of opposed tapered roller bearing cones sealed inside a precision-ground, one-piece, double-cup arrangement. These bearings are designed with a small amount of axial end-play. The end-play is essential to the longevity of the bearing's service life.

Refer to Section 8 - Maintenance for Nev-R-Lube Bearing inspection.

Tire Pressure Monitoring System (TPMS)

Your Classic is equipped with a Tire Pressure Monitoring System (TPMS). Tire pressure information from sensors within the tires are displayed on the CZone screen as well as on the included TPMS monitor. A repeater is installed in the trailer to help boost the signal from the tire sensors to the monitor. Tire pressures will lower in the evening as the ambient air temperatures decrease. In cold conditions, we suggest shutting the display off until the ambient temperature rises, or you begin driving again. Any time you physically move a tire to a different position, such as changing or rotating tires, you will also need to move the sensor configuration on the monitor and CZone (See Maintenance section for instructions). The included spare tire is also equipped with a sensor. Additional information and tips can be found in your owner's packet and in the Maintenance section of this manual.

The included TPMS monitor displays real-time tire pressure and temperatures along with audible and visual alerts. The monitor continually sequences through the sensors displaying each tires pressure and temperature. If an alarm sounds, an icon will blink near the bottom of the screen and the tire in question will have its pressure or temperature blinking on the display screen. There will also be text indicating what the issue is such as fast leak, low pressure, or high temperature. If you want to see a specific tire reading, press the plus or minus button on the side of the monitor to scroll through the tire sensors. Slide the switch on the right side of the display up to turn the display on and down to shut it off. If the display is plugged into a constant 12v source, you must unplug the display to turn it off.

NOTE

Indoor/outdoor thermometers could interfere with the signal of the sensors.

Power Stabilizing Jacks

The Classic trailer is equipped with two sets of power stabilizing jacks. These jacks are controlled by a switch located in the locked utility compartment on the side of the trailer.

NOTE

Power stabilizing jacks automatically adjust to the terrain and should only be lowered until they make contact with the ground.

CAUTION

Stabilizing jacks are designed to stabilize the trailer only. Misuse of the power jacks to level or lift the trailer will result in damage to the jacks and potentially the trailer.

Power Jack

A switch located on the bottom of the housing operates the power jack. When the jack is fully extended or retracted, internal limit switches automatically shut off the motor.

The jack is wired directly to the battery and has a spade fuse between the battery and the power head. Refer to Section 8 - Maintenance for fuse information.

- Use the jack for lifting the trailer only.
- Never get beneath the travel trailer when only the power jack supports it.
- Support the vehicle by appropriate means.

WARNING

Avoid the risk of injury to yourself and others. Keep hands and feet from under the foot plate when using the jack. Do not use or install dolly wheels on the power jack. Failure to comply could result in serious injury

Power Jack Fuse

Should an electrical failure occur, first check to see if the fuse, located in the battery box, has blown. If the fuse is not blown and the jack still will not operate you can manually operate the jack by placing the manual override handle into the alignment tube and engaging the drive pin. Rotating the handle counterclockwise to raise or clockwise to lower the trailer. If the fuse is blown, replace the fuse with the same type and check to see if the jack is now operable.

Refer to the Maintenance section for replacement and maintenance of the power jack.

Liquid Petroleum Gas (LPG)

Fill Valve

The LPG tanks are equipped with fill valve connections ***RV Type I Acme***. The large, green, nylon swivel nut is a right-hand thread and is designed for hand operation only.

The valve features an internal spring-loaded module that will not allow gas to flow from the cylinder until a positive seal has been made at the connection. The valve outlet has 1-5/16 in. Acme threads on the outlet exterior, and female POL fitting; left-handed threads on its interior. This feature allows for connection of the new, wrench less, right-handed, Acme RV connection while still accommodating the standard left-handed POL fittings used for filling propane cylinders.

The mating, green swivel nut and brass nipple also incorporate new features: the green nylon nut swivels on a black bushing that is heat-sensitive. Between 240 and 300°F, the bushing will yield (melt) allowing the spring-loaded module in the valve to push the brass nipple back (approximately 1/4 in.), closing the module and stopping the flow of gas from the cylinder. Inside the brass nipple is a flow-limiting device designed to sense excessive gas flow. If an excessive flow is sensed, the flow-limiting device shuts the flow down to a maximum of 10 SCFH (Standard Cubic Feet per Hour) or less. This is also referred to as the bypass flow.

Bypass flow is extremely important in the proper operation of this connection. The flow-limiting device may activate if the cylinder valve is opened quickly. When all appliances are off, the bypass flow allows the pressure downstream from the flow-limiting device to equalize. When pressure is equalized, the flow-limiting device will supply normal flow to the system. Equalization occurs in approximately 5 seconds and, in most cases, goes completely unnoticed. If, however, an appliance is left on or there is a leak or open flow in the system, the bypass pressure will not be able to equalize and allow the flow-limiting device to re-open. Symptoms of this condition would be appliances that light but have lower than normal flame or starve out from lack of gas, a substantial reduction in the flame when another appliance is operating, or pilots that are difficult to light. If this should happen, the following steps should eliminate the condition:

1. Close LPG cylinder valve.*
2. Extinguish all flames and smoking materials.
3. Be sure all gas appliances, including their pilot lights, are off.*
4. Open LPG cylinder valve slowly. Do not snap open.
5. Wait at least 15 seconds before lighting appliances.
6. If operational difficulties continue, there may be a leak in the system. Immediately close the LPG cylinder valve and have the system inspected by a qualified RV service technician.

*When reconnecting a full cylinder to an auto changeover regulator, it is not necessary to shut off the appliances or close the valve of the cylinder already in service.

The amount of time 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 two to three weeks of service from each tank.

WARNING

Leaking LPG may ignite, causing a fire or explosion, which could result in serious bodily injury, property damage, and/or death.

Automatic Gas Regulator

All models are equipped with a two stage automatic change-over gas regulator that offers the convenience of automatic changeover from empty to full gas cylinders. Both tanks are connected to this regulator.

Make sure there is propane in both tanks before you start. Rotate the white knob on the top-front side of the regulator toward the cylinder you want to use first. This will be the **service** cylinder and the other will be the **reserve** cylinder. Slowly open both cylinder valves. Open both cylinder valves completely, then close about 1/4-turn. This will allow you to easily check to see if valves are open or closed. The indicator on top of the regulator will turn bright green. The indicator will stay bright green as long as there is fuel coming from the service cylinder. When the service cylinder empties, the regulator will automatically draw fuel from the reserve cylinder, providing an uninterrupted fuel flow to the system. When it switches over, the indicator will change from green to red. This red color indicates the service cylinder is empty and needs to be filled.

WARNING

LPG regulators must always be installed with the diaphragm vent facing down. Regulators that are not located in compartments have been equipped with a protective cover. Make sure the regulator vent faces down and the cover is kept in place to minimize vent blockage, which could result in excessive gas pressure, causing fire or explosion.

LPG Tanks

The following procedure outlines the proper method of removing and installing LPG bottles:

1. Turn the knob on your automatic regulator until the arrow points to the tank opposite the one to be removed. Shut off the gas valve on the tank to be removed.
2. Disconnect the rubber gas line at the tank to be removed. (The green plastic fitting is a right-hand thread and no tools should be used.)
3. Turn the large clamping T-handle counterclockwise until the hold-down bracket is loosened enough to be able to remove the tank. If your trailer is equipped with a gas tank cover, the T-handle must be removed, and then the cover removed before removing the bottle

WARNING

Do not remove the center hold-down rod.

LPG Tank Installation:

1. Place the tanks in position on the A-frame and tank cross-member so that it rests on the upper collar of both tanks with the collar rims engaged in the grooves on the underside of the bracket. If your trailer is equipped with a tank cover, it should be positioned over the tanks next. Make sure the hold-down rod projects up through the hole in the shroud center bracket.
2. Replace the T-handle and tighten down until the tanks are held firmly in place.
3. Test fittings with liquid soap free of ammonia or chlorine, or products deigned for testing, such as Snoop® liquid leak detector.

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 appliance, etc.

WARNING

Your LPG tanks must be filled as directed by the tank manufacturer. Instructions are located on a decal near the fill valve. The decal must not be defaced.

WARNING

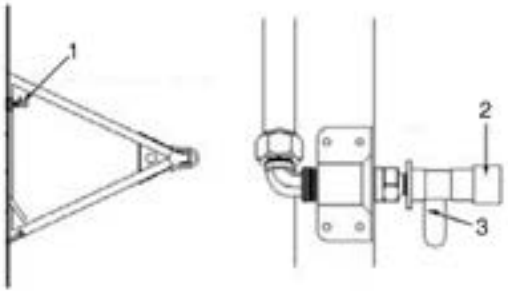
The LPG tanks are securely mounted on the front A-frame of your trailer. If these tanks must be removed for service or replacement, it is important that they be reinstalled correctly in order to prevent any possibility of their falling off or becoming dislodged during travel.

Use only the LPG tanks furnished with your trailer. If replacement is required, it must be a bottle of the same size and design.

Exterior LPG Port

An exterior LPG port quick-connect is installed on the hitch A-frame of your trailer. An LPG supply line is shipped with the trailer in the loose parts box. This can be used to connect a lantern or other appliance that uses a one-pound, low pressure LPG tank supply to the exterior port.

To assemble, install a male quick-connect coupler to one end of the supply hose. Then add a flare fitting to the other end of the supply hose and install a one-pound tank coupler to the flare fitting. This assembly can be installed into the appliance in place of the one pound LPG tank.



1. Exterior LPG Port
2. Quick-Connect Sleeve
3. Shutoff Lever

Basic Rules For LPG Safety

A warning label is displayed in the cooking area reminding you to provide an adequate supply of fresh air for combustion. The amount of oxygen supply in a trailer is limited due to its compact design. When using the cooking appliances, proper ventilation will prevent dangers of asphyxiation. It is especially important that cooking appliances not be used for comfort heating as the danger of asphyxiation is greater when the appliance is used for long periods of time.

WARNING

Do not store LPG tanks within a vehicle. LPG tanks are equipped with safety devices that vent gas should the pressure become excessive.

WARNING

A warning label has been located near the LPG container. This label reads: DO NOT FILL CONTAINER(S) TO MORE THAN 80 PERCENT OF CAPACITY. Overfilling the LPG container can result in uncontrolled gas flow, which can cause fire or explosion. A properly filled container will contain approximately 80 percent of its volume as LPG.

WARNING

Portable fuel burning equipment, including wood and charcoal grills and stoves, shall not be used inside the recreational vehicle. The use of this equipment inside the recreational vehicle may cause fires or asphyxiation.

WARNING

Do not use cooking appliances for comfort heating. Cooking appliances need fresh air for safe operation. Before operation, open an overhead vent or turn on an exhaust fan and open a window.

WARNING

Do not bring or store LPG tanks, gasoline, or other flammable liquids inside the vehicle because a fire or explosion may result.

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

If You Smell Gas

1. Extinguish any open flames, pilot lights, and all smoking materials.
2. Do not touch electrical switches.
3. Shut off the gas supply at the tank valve(s) or gas supply connection.
4. Open doors and other ventilating openings.
5. Leave the area until odor clears.
6. Have the gas system checked and leakage source corrected before using again.

adventure, inspired by AIRSTREAM

Section 7
TOWING

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Tow Vehicle

When buying a new vehicle to tow your trailer, we suggest including towing options offered by most tow vehicle manufacturers. These include such things as a heavy-duty alternator and radiator, heavy-duty springs and shock absorbers, transmission cooler, heavy-duty fan and flasher unit, etc., for the make of the vehicle.

WARNING

Springs that are too stiff can hinder the action of the weight equalizing hitch and prevent the transfer of weight to the front of the vehicle.

NOTE

Only use springs heavy enough to support your loaded vehicle (not including trailer). Having a too harsh spring rate on your tow vehicle will only shorten the life of the tow vehicle and trailer, and will cause your trips to be less enjoyable.

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

Having adequate power is very important when considering the purchase of a new vehicle or the trailer-towing capability of your present one. Auto dealers are provided with guidelines to use when helping a customer decide on a tow vehicle. Guidelines are not determined solely by the power output of the engine. The gear ratio of the differential is also a very important part of the guideline.

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

New trailerists often 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.

Brakes

All trailers are equipped with Dexter Nev-R-Adjust brakes. Please follow all maintenance procedures in the Dexter user's manual provided in the owner's packet.

Electronic Brake Controller

The trailer brakes are operated by 12-volt current from your tow vehicle and must be hooked up so that you have an integral system with your tow vehicle brakes. To prevent problems and ensure satisfactory braking action, install an electronic controller in line with the brakes in your tow vehicle.

An electronic controller will synchronize the trailer brakes with your tow vehicle brakes. It is designed to apply the trailer brakes with your tow vehicle brakes. Your brake controller should be adjusted to provide for a slight lead of the trailer brakes over the tow vehicle brakes.

NOTE

Study all material provided with your particular brake control. If you do not understand the information, have the installer explain the information to you or call the manufacturer of the controller.

Proper Electric Brake Use

Proper synchronization of tow vehicle to trailer braking can only be accomplished by road testing. Brake lockup, grab, or harshness is quite often due to lack of synchronization between the tow vehicle and the trailer being towed, a too-high threshold voltage (over 2 volts), or under-adjusted brakes.

WARNING

Never use your tow vehicle or trailer brakes alone to stop the combined load.

WARNING

The braking system should be checked and serviced by qualified, certified technicians only. Failure to do so could result in loss of control of your vehicle or the trailer, causing damage to property, injury, and/or death.

Breakaway Switch

In the event of an accidental separation of the tow vehicle and the trailer, the breakaway switch will set and lock the trailer brakes for a sufficient length of time to stop the trailer. The switch is activated when the wire attached to it and to the tow vehicle pulls out the small pin in the front of the unit.

When the trailer is connected to the tow vehicle, the breakaway switch loop should be attached to the permanent frame of your hitch. When disconnecting the trailer from the tow vehicle, remove the wire loop from the frame. Do not remove the pin from the switch because this will apply the trailer brakes.

WARNING

Do not use the breakaway switch as a parking brake. If the battery should go dead, the trailer parking brake would no longer be applied. Failure to comply could cause damage to property, injury, and/or death.

Loading

When towing a trailer, you are subject to new and different challenges on the highway than you may have previously encountered. Towing a trailer is no small responsibility and should be undertaken with great care and safety first in mind. An accident with a tow vehicle and trailer can have much greater consequences than carelessness with a small car. Like an airline pilot who is responsible for expensive equipment and many lives, you should take your responsibilities as a tow vehicle driver very seriously and learn all you can about doing the job safely and well. Balancing the load and preparing the trailer and tow vehicle are critical to safe handling.

One of the most critical aspects of safely towing a trailer is knowing the weights involved and where they are placed. The first thing to determine is how much is being towed and confirming that it is within the capacities of the equipment being used. Determining where the load is placed is critical to the way your rig will handle on the road.

Know what your trailer weighs loaded. Load your trailer including water, propane, etc and take it to a public scales. Weigh each axle of your vehicle. Refer to your axle weight and tire limits to see if you are within a safe range. Total all axle weights, ensuring you are below the GVWR.

Make sure your load is balanced. Do not load too much on one side. A balanced load is much easier to tow or drive. Front to back balance is also important. Step back and look at your trailer, making sure that there is not too much weight on the hitch, or on the rear of the trailer. Secure all items, as loose items can cause damage and become a safety issue. The Cargo Carrying Capacity tag shown below is installed on every trailer and can be found on the inside of the screen door on your trailer.

RECREATIONAL VEHICLE TRAILER CARGO CARRYING CAPACITY
VIN ##################
THE WEIGHT OF CARGO SHOULD NEVER EXCEED
XXX kg or XXX lbs
CAUTION
A full load of water equals XXX kg or XXX lbs of cargo @ 1 kg/L (8.3 lb/gal)

Airstream weighs the trailer as finished to arrive at the trailer's weight. That number is subtracted from the GVWR of the trailer and listed under THE WEIGHT OF CARGO SHOULD NEVER EXCEED on the tag. The total weight of any and all cargo, including dealer modifications or additions, water, and propane should never exceed the number listed.

As cargo is added, removed, or shifts in location, the weight on the axle(s) and hitch will change. Also, the hitch and axle weights will change as a consequence of the weight of the LP tank(s) diminishing from use of propane, and/or the transfer of weight as a consequence of water in the fresh water tank being used and transferred to the grey and black tanks. In shorter units, rear bath models especially, when the LP tanks are empty and fresh water has been transferred to the grey and black holding tanks, the reduction in hitch weight may be significant. For this reason, we recommend that the grey and black tanks be emptied before traveling.

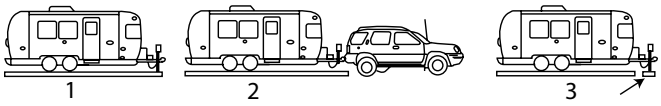
When loading the trailer, keep the following in mind:

- GVWR
- GAWR
- Tire Weight Rating
- Cargo

Never exceed these ratings. Your safety depends on not overloading the trailer, trailer axles, and tires. Refer to Section 4 - Floor Plan and Specifications for rating list.

Weighing Your Trailer

The illustration below shows how to weigh the trailer on scales.



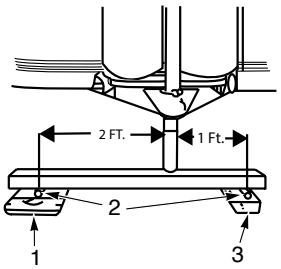
1. Trailer's total weight, cannot exceed GVWR.
2. Trailer's weight on axles cannot exceed GAWR.
3. Weight on trailer tongue.

To determine that the GAWR is not exceeded, it is necessary to load all of your allowable personal cargo and variable weights. Then hitch the trailer to the tow vehicle with load equalizing hitch properly adjusted.

Chock wheels and place the trailer on a scale with both axles only on the scale (see illustration). If the weight on the axles exceeds the axle system's GAWR, then some of the personal cargo must be redistributed forward in order to place some of this weight on the tongue.

The tongue weight should be 10 to 15% of the trailer's total weight, and must not exceed the tow vehicle's or the hitch's maximum weight rating. To determine tongue load, unhitch tow vehicle and place the tongue hitch post on a scale. The trailer must be properly loaded as determined above, with your allowable personal cargo and variable weights.

Use a scale, such as a bathroom scale, that has a lower weight limit than your tongue load to check the tongue weight by using the following method (see illustration).



1. Bathroom Scale
2. Pipe
3. Wood Support

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 centerline of the jack extension.

Place the scales so that another round piece can be exactly two feet from the centerline of the jack extension in the other direction. Place a 4x4 piece of wood on the two round pieces and screw the jack extension down on the top of the 4x4 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 more feet, but always multiply the scale reading by the total number of feet between the wood and scales.

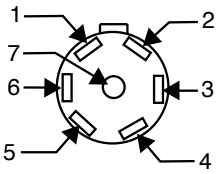
NOTE

Be sure trailer is level when reading scales.

Hitching Up

The process of hitching up your trailer is something that will become almost second nature with practice. The following section includes proper hitch load distribution. Proper training on connecting your trailer to a tow vehicle is essential for safety. Please see your dealer or other qualified personnel for instruction on the proper hitching of your trailer. Safety chain use on the hitch is required in all states.

7-Way Plug



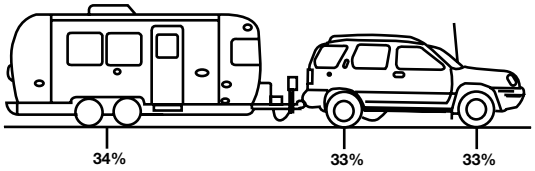
1. Black, 12-Volt (+)
2. Green, Clearance Lights/Taillights
3. Red, Left Turn/Stop
4. White, 12-Volt (-)
5. Blue, Brake
6. Brown, Right Turn/Stop
7. Blank

NOTE

The 7-Way Plug is spliced to the main harness in the area of the 12-volt distribution panel in front of the trailer.

Equalizing Hitch Load Distribution

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



WARNING

The tongue weight should be approximately 10 to 15% of the trailer's total weight. Under no condition should it exceed the tow vehicles hitch rating. Please refer to the tow vehicles documentation for your vehicles hitch rating information.

Wireless Observation System

Your travel trailer is equipped with a Wireless Observation system consisting of a camera mounted at the rear of the trailer and a wireless monitor for your tow vehicle. This system will allow you to see what is behind you while towing and provide visibility when backing up the trailer.

NOTE

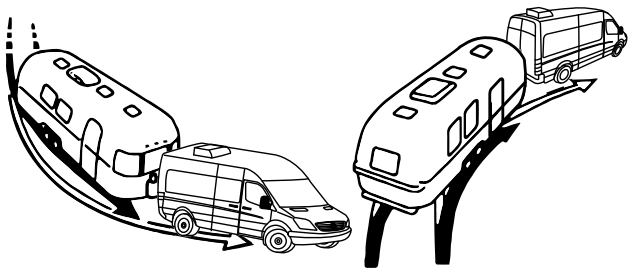
Carefully read and understand all manufacturer's instructions provided in your owner's packet prior to operating.

Towing Tips and Information

We want every Airstream owner to be a safe and courteous driver. A few hours of towing practice in a large, empty parking lot will make pulling your trailer over the road much easier. Mark off two corners of the parking lot for left and right turns. These corners may also be used to practice backing and parking.

Tracking Observation

Observe that the tracks made by the trailer wheels are distinctly different from those made by the tow vehicle. Studying this will make it easier for you to correct mistakes.



General Information

After thoroughly inspecting your hitch, brakes, and tires, you should be ready to tow. Check traffic, signal when 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 tow vehicle wheels; therefore, wider turns are necessary when turning to the left or to the right.

NOTE

Truck or trailer type fender, door grip, and rear view mirrors are a must for maximum visibility and required by law in most states.

Cooling System Overload

When towing, 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
- Driving with long, idle periods in traffic jams

If the tow vehicle's temperature gauge or indicator light indicates overheating, and the air conditioner is on, turn it off, pull over in a safe place, and apply the emergency brake. Increase the engine idle speed. Lift the engine hood and check for fluid leaks at the radiator overflow outlet. Ensure that all drive belts are intact and the radiator fan is turning. If you have a problem, have it fixed at the next opportunity. If there is no problem, the light should go off, or temperature should come down within one minute. Proceed on the highway a little slower, and resume normal driving after 10 minutes.

WARNING

Never open a radiator cap when the tow vehicle is hot. Check the coolant level when the vehicle is cool.

Downhill and Non-level Driving

When going downhill in dry weather, downshift so that engine compression will slow the whole rig down. Take dips and depressions in the road slowly and do not resume normal driving speeds until you are sure that the trailer wheels are clear of the dip.

WARNING

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

Off-Road Towing

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 tow vehicle in the highest possible gear. If you get stuck, it is best to tow out the entire rig together without unhitching.

When Being Passed

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 slightly to the right and then affects the front. It may be necessary to steer very slightly, momentarily, toward the bus or truck to help compensate for the sway induced by the passing vehicle. Do not apply the vehicle brakes, as this can tend to exaggerate the situation. You may find, however, that briefly applying the trailer brakes with your manual control will help eliminate sway.

On a two-lane road, cars may line up behind you because you travel at a lower speed. It is both courteous and sensible, if you are able, to signal, pull onto the shoulder, and let them pass. Your trailer 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.

Passing

On freeways or expressways, pick the lane you want and try to stay in it. Always maintain plenty of space between you and the car ahead, at least the length of the tow vehicle 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 returning to the right hand lane.

Backing Up

When backing up, the important thing to remember is to do everything slowly and to immediately correct if you see the trailer turning the wrong way. Concentrate on the rear of the trailer. With your tow vehicle 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 of the window or in the mirror until the rear of the trailer is pointing in the desired direction. Your tow vehicle will be following the trailer in an arc. Straighten the tow vehicle and trailer by turning the steering wheel more sharply, and then, when they are in line, straighten the steering wheel.

Always try to back to your left because the visibility is much better. 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, or at least pull forward until the rig is straight, and then start backing.

If your spouse or traveling companion normally directs you when backing, they should position themselves forward of the tow vehicle so the driver can easily see them. Their directions should always indicate to the driver the direction the rear of the trailer should go. A little practice in a parking lot with the person giving directions can save a lot of frustration when backing into a campsite.

Stopped On a Hill

Refer to the following warning if stopped on a hill for a prolonged period of time.

WARNING

Chock the trailer wheels when stopping on a hill or slope. Leaving your tow vehicle in gear is not enough for standstill safety. Do not use trailer brakes as parking brakes.

Controlling Sway or Fishtailing

Sway or fishtailing is the sideways action of a trailer caused by external forces. It is common for travel trailers to sway in response to strong winds, crosswinds, when passed by or passing a semi-tractor and trailer, or driving downhill.

WARNING

Excessive sway or fishtailing of your travel trailer can lead to the rollover of the trailer and tow vehicle. Serious injury or death can occur. It is important that you read and understand the information in this section.

Sway or fishtailing of your recreation vehicle can be controlled and is primarily impacted by four factors:

- Equipment
- Tongue Weight
- Driving
- Corrective Measures

Equipment

When hitched together, the trailer and the tow vehicle must be level. The tires of both the trailer and tow vehicle should be in good condition and properly inflated to their recommended pressures.

Braking is a very important factor in vehicle control. Refer to Brakes (and Electronic Brake Controller) in this section.

We recommend a friction sway damper or hitch with built-in sway control be provided for your unit. Please consult your dealer regarding this equipment. Also, refer to Sway Control Device in this section for more information.

Tongue weight

Refer to Weighing Your Trailer and, Equalizing Hitch Load Distribution in this section.

Driving

This is the most important component. The tendency for the vehicle to sway increases with speed therefore, obey all speed limits and reduce speed during inclement weather or windy conditions.

Corrective Measures

If sway occurs, the following techniques should be used:

1. Slow down immediately, remove your foot from the accelerator. Avoid using the tow vehicle brakes unless there is a danger of collision. Reduce speed gradually whenever possible. If you can do so safely, use the brake hand controller to gently and progressively apply the trailer brakes. This will help to keep the vehicles aligned. Practice using the brake hand controller on a deserted parking lot. Do not wait until an emergency occurs before using it. Location of the brake hand controller is important and should be made easily accessible.
2. Steer as little as possible while maintaining control of the vehicle. Because of natural reaction lag time, quick steering movements to counter trailer sway will actually cause increased sway and loss of control. Keep both hands on the wheel. Hold the wheel as straight as possible until stability is regained.
3. Do not jam on the brakes or attempt to press on the accelerator to speed your way out of the fishtailing. Both actions make the situation worse and could cause severe injury or death.
4. Once the swaying is under control, stop as soon as possible. Check tire pressures, cargo weight distribution, and look for any signs of mechanical failure. Travel at reduced speeds that permit full control until the problem can be identified and corrected.

Sway Control Device

Although Airstream has not intruded into the hitch manufacturer's field of expertise and performed formal testing, we find the vast majority of Airstream owners purchase sway-control devices.

When passed by large trucks or when exposed to sudden crosswinds, the trailer will be pushed and this action will be felt in the tow vehicle. It is our understanding that the sway control device will reduce the amount of movement, make towing more comfortable, and add some safety. Follow the directions of the sway control manufacturer when having the device installed and when using it.

adventure, inspired by AIRSTREAM

Section 8
MAINTENANCE

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Maintenance Schedule

WARNING

Failure to maintain your trailer can cause premature and unexpected parts breakage and/or erratic operation that may be hazardous.

NOTE

See appliance manufacturer's literature for further information.

Every 1,000 miles or 60 days	
Escape Window	Check operation of latches and upper hinge.
Smoke Alarm & CO Detector	Test and replace battery as required.
Tires	Check tire pressure (See Specifications).
Hitch	Check for loose bolts or unusual wear.
GFI Circuit Breaker	Test and record.

Every 5,000 miles or 90 days	
Main Door Latch	Lubricate with dry graphite
Exterior Door Locks	Lubricate with dry graphite.
Exterior Hinges	Lubricate with light household oil.
LPG Hold-Down	Lubricate with light household oil.
LPG Regulator	Check bottom vent for obstructions.
Wheel Lug Nuts	Torque Aluminum Wheels to 110 ft. lbs and Steel Wheels to 100 ft. lbs.
Breakaway Switch	Pull pin and lubricate with household oil. (See further instructions in this section.)
7-Way Plug	Spray with contact cleaner.
Hitch Ball	Lubricate with hitch ball lube or wheel bearing grease.
Range Exhaust Hood	Clean fan blades and wash filter.
Main Door Step	Lubricate and inspect moving parts.

Every 10,000 miles or 6 months	
Brakes	Inspect or replace as necessary.
Nev-R-Lube	Visually inspect wheel bearings at tire rotation. Refer to Dexter's recommendation www.dexteraxle.com or call (574) 295-7888.
Tires	Inspect and rotate.
Spare Tire Carrier	Lubricate moving parts.
Windows, and Door Seals	Clean with mild detergent and coat with "Slipicone."
Exterior	Wax.
Escape Window	Lubricate latches with WD-40 or light household oil.

Every year	
Batteries	Check terminals are secured.
LPG Tanks	Have purged by LPG supplier.
Seams	Check and reseal exterior seams, windows, lights, and vents as needed.
Hitch Coupler and Ball	Ensure all parts operate freely. Replace any component if worn or damaged.
Interior Cabinetry	Visual Inspection of latches Locks, Hinges and Slides. Silicone Spray as needed.

Every 2 years	
Alde Glycol fluid replacement	Drain and replace. Use only Glycol recommended by Alde.

Suggested Maintenance and Replacement Parts

(Part numbers listed are Airstream part numbers and can be ordered by calling a Certified Airstream Dealer.)

WARNING

Always replace the bulb or light fixture with the correct bulb for that light or matching fixture. Failure to heed this warning could cause fire, property damage, personal injury, or death.

Exterior 12-Volt Lighting	
License Plate LED	PN – 512409
LED Clearance Light, Amber	PN – 512859
LED Clearance Light, Red	PN – 512860
LED Step Light	PN – 994165
LED Flex Light Strip	PN – 512918-02
Convenience Light (Dump Valve)	PN – 512533
NOTE: Most Exterior Lighting is LED and a replacement fixture will be required.	

Interior 12-Volt Lighting	
LED Eyeball Light	PN – 513200
LED Light w/Switch	PN – 513707
LED Spot Light w/Frosted Lens	PN – 513136
LED Ceiling Light	PN – 512830
LED Shower Light	PN – 513961
LED Aisle Light, Motion Activated	PN – 513070
LED Light Bar, Surface Mount	PN – 513160
Courtesy Light w/Push Lens	PN – 512829
NOTE: Most Interior Lighting is LED and a replacement fixture will be required.	

Replacement Fuses	
Power Jack (30 Amp slo-blo Maxi Blade Fuse)	PN – 513838-30
1 Amp Blade Fuse	PN – 500773-01
15 Amp Blade Fuse	PN – 500773-15
20 Amp Blade Fuse	PN – 500773-20
30 Amp Blade Fuse	PN – 500773-30

Replacement Breakers - USA Breakers	
Breaker, Bryant, 20 Amp	PN – 510564-01
Breaker, Bryant, 15-15 Amp	PN – 510564-03
Breaker, Bryant, 15 GFCI Amp	PN – 510564-07
Breaker, Bryant, 15 Amp	PN – 510564-09
Breaker, 12V DC Type II, 20 Amp	PN – 510947-20
Breaker, 12V DC Type II, 30 Amp	PN – 510947-30
Breaker, 12V DC Type II, 50 Amp	PN – 510947-50

Replacement Rivets						
	Interior		Exterior		Underbelly	
Part Number	330127-05	330127-08	330126-03	330126-04	330034	330038
Rivet Name	AD45ABS	AD48ABS	SSD44SSBS	SSD45SSBS	AD68ABSLF	AD54ABSLF
Head Style	Dome Head	Dome Head	Dome Head	Dome Head	Large Flange	Large Flange
Body Diameter (Inches)	0.125 (1/8)	0.125 (1/8)	0.125 (1/8)	0.125 (1/8)	0.187 (3/16)	0.156 (5/32)
Hole Size	0.129-0.133	0.129-0.133	0.129-0.133	0.129-0.133	0.192-0.196	0.160-0.164
Drill Number	30	30	30	30	11	20
Grip Range In (Inches)	0.251-0.312	0.376-0.500	0.188-0.250	0.251-0.312	0.376-0.500	0.126-0.250
Length Under Head (Max. Inches)	0.453	0.640	0.400	0.438	0.690	0.415
Head Diameter (Nominal)	0.250	0.250	0.250	0.250	0.625	0.468
Head Height (Max. Inches)	0.040	0.040	0.040	0.040	0.092	0.075
Typical Sheer Strength (lb.)*	155	155	520	520	85	225
Typical Tensile Strength (lb.)*	235	235	600	600	135	350
*Values shown are a guide only and may vary depending upon the application.						

Replacement Filters	
Range Hood	PN – 512210-100
Merv 8 Return Grill Filter	PN – 382766-01
Merv 8 Filter Sponge	PN – 382766-02

Glycol	
Alde Glycol (1 Gallon)	PN – 360371-301C
Alde Glycol (5 Gallons)	PN – 360371-201C

Exterior Care

The following exterior care products are recommended by Airstream. Read and follow label directions. Exterior sealant should be checked and resealed once a year.

Walbernize Super Seal (PN - 28433W) - Use on exterior aluminum of trailer; recommend two applications a year.

Acryl-R Seam Sealer (PN - 28430W-01 [16 oz can-Gray]) - Use anywhere a fine bead of Gray sealant is required.

Acryl-R Seam Sealer (PN - 28430W-04 [16 oz can-White]) - Use anywhere a fine bead of White sealant is required.

Acryl-R Seam Sealer (PN - 28430W-06 [16 oz can-Clear]) - Use anywhere a fine bead of Clear sealant is required.

AdSeal Premium Quality Sealant Adhesive (PN - 365330-01 [10 oz tube-White]) - Use anywhere a thicker bead of White sealant is required.

AdSeal Premium Quality Sealant Adhesive (PN - 365330-03 [10 oz tube-Gray]) - Use anywhere a thicker bead of Gray sealant is required.

AdSeal Premium Quality Sealant Adhesive (PN - 365330-04 [10 oz tube-Black]) - Use anywhere a thicker bead of Black sealant is required.

Tires

Your trailer is equipped at the factory with name brand trailer tires. Most Airstream dealers cannot make adjustments to tires. An Airstream or tire dealer that handles that particular brand must do this. If you experience tire problems, contact the nearest dealer.

Tire Changing

To change a tire with a jack, see the label affixed to the underbelly located to the rear of the wheels. This label reads **JACK** with an arrow pointing to a plate riveted to the mainframe rail where the jack head must be placed.

Jack Location

NOTE

Airstream does not supply a jack with the trailer.

Leveling blocks can be used instead of a jack to change a flat tire. Position the leveling block under the trailer's good tire. This will raise the flat tire clear of the ground. All tire and wheel assemblies are balanced at the factory. Be sure to rebalance the tire and wheel assemblies each time a tire is changed.

WARNING

Do not exceed the maximum speed rating of the tires installed on your trailer. Failure to heed this warning could cause catastrophic tire failure resulting in property damage, personal injury, and/or death.

WARNING

Never attempt to change any tire on the trailer without securely chocking the trailer's remaining wheels. Never position yourself in a manner where a raised trailer can come down on you if it should become dislodged from a jack or ramp.

WARNING

When removing aluminum-forged wheels from spindle, it is very important to mark them to ensure the wheel is placed in the same position of the drum when reinstalling. If the aluminum-forged wheel is to be mounted on a different drum, it is important to sand all loose corrosion from the mating surfaces.

WARNING

Wheel separation can occur:

1. **On first trip, tighten wheel nuts at beginning of trip, and at 10, 25, and 50 miles.**
2. **Thereafter, check wheel nuts before each trip.**
3. **Following winter storage, check wheel nuts before beginning a trip**
4. **Following excessive braking, inspect wheel nuts**.

NOTE

Torque Aluminum Wheels to 110 ft. lbs and Steel Wheels to 100 ft. lbs.

In an emergency, remove a flat tire. The independent suspension of the rubber torsion axle allows four- or six wheeled units to be safely towed on three or five wheels for a short distance (100 miles maximum) and only at a low speed (30 MPH).

Be especially careful when crossing holes or dips in the road. Under these circumstances, it is good practice to set your rear view mirrors so that you can observe your tires at all time.

Tire Load and Inflation Information

Maintaining proper tire inflation pressure is essential for both tire safety and performance.

Proper Tire Inflation

The level of air in your tires affects your vehicle's overall performance. A maximum inflation pressure specification is found on the trailer's exterior on a metal tag riveted to the lower front, roadside of the trailer, as well as on the original equipment tires.

Air pressure should be checked based on the load on each individual tire. Cold Inflation Pressure should be adjusted to handle the maximum tire load, and all tires on the axle should carry the same inflation pressure. *Cold tire inflation pressure* is the tire pressure checked in the morning before you drive more than a few miles, or before rising ambient temperatures or the sun's radiant heat affects it.

Under Inflated Tires

Under inflation brings a higher risk of damage due to road hazards, reduces casing durability, causes a loss in fuel economy, and will result in uneven or irregular tire wear. Severe under inflation brings about an increased risk of tread separation, handling difficulties, and possible tire failure, caused by overheating.

When minimum inflation pressure requirements are not met, tire durability and optimum operating conditions are compromised. Tire inflation pressure should always meet the guidelines for vehicle weight.

Observe the following:

- It may be necessary to inflate your tires at a truck stop or truck service center in order to achieve adequate air pressure for your trailer's needs.
- Only permanent air seal metal valve caps should be used.
- Be safe - if a tire has been run in a 20% under inflated condition, it must be dismounted and inspected by a trained professional. It should not be aired up without a full inspection or without using a safety cage. Use a calibrated gauge. If your tire is rated for higher inflation pressures, a special gauge will be required designed for larger tires.
- Do not bleed air from warm tires to reduce pressure buildup.
- Do not inflate tires to cold psi rating beyond rim specifications.

How Overloading Affects Your Tires

Tire pressure is what enables your trailer tire to support loads, thus, overloading can have serious consequences. Too much weight can cause stress on the suspension system components, brake failure, handling and steering problems, irregular tire wear, and possible tire failure. If you discover your tires cannot handle the load, lighten the weight of the load on your tires.

Weighing Your Trailer Or Towed Vehicle

Since a trailer or towed vehicle adds to the load on the tires, it is crucial to properly weigh towed vehicles. Refer to Section 7 - Towing section for important detailed information on loading and weighing of the trailer.

Tire Care

The most important function of tires is to provide traction while moving and grip when steering or stopping. The tires on your trailer are designed for highway use and must be properly maintained in order to maximize tire life, as well to provide a safe mode of transportation.

Tire Care Tips

To reduce the risk of tire failure, we strongly recommend the following:

1. Check the pressure in your tires, including your spare, at least monthly when the tires are cool (after the vehicle has been stopped for three hours and then driven less than one mile). Do not reduce pressure when tires are hot. Use a tire gauge to check pressure and maintain it at the recommended level.
2. Never overload your tires. Heed the maximum load-carrying capability of your tires.
3. Check your tires frequently for scrapes, bulges, separations, cuts, or snags resulting from use. See your tire dealer immediately if any such condition is discovered.
4. Never operate your vehicle in excess of lawful speeds, the maximum speeds justified by driving conditions, or in excess of speeds recommended for the tires you are using.
5. Make every effort to avoid running over objects that may damage the tire through impact or cutting, such as chuck holes, glass, metal, etc.

6. Never drive on smooth tires. Tires should be removed when 2/32 in. of tread depth remains. In most states, it is illegal to drive with less than 2/32 in. remaining tread depth.
7. Park out of the sun whenever possible when in warm climates. In desert regions, use tire covers to prevent ultra violet light deterioration to tires.

Tire Inspection and Storage

Before taking your trailer on a trip or when removing it from an extended storage period, make it a practice to inspect the overall condition of your tires. Check for any type of condition or damage that might result in failure. A thorough check should include both inside and outside sidewalls, tread area and the condition of hardware such as valve stems, valve caps, and wheels. The tread should be checked for any unusual wear, cracking, penetrations, and/or cuts. An uneven wear pattern can indicate misalignment or worn suspension parts.

Since many RVs are used seasonally and sometimes stored for extended times, it is possible that tires will take many years to wear out. Tires, as any rubber product, will age over time. If tires show cracking in the sidewall or tread surfaces that are more than 2/32 in. deep, they should be replaced before your next trip or vacation. Store your RV in a cool, dry area away from major heat sources and extreme cold. An enclosed storage area is best with no exposure to electromagnetic sources such as generators or transformers. If you must keep your trailer outside, cover your tires from direct sunlight. Take your trailer to your tire dealer for service to check or correct any of these conditions.

Tire and Wheel Replacement

It is possible to replace your tires with a different size, in some instances. If there is a reason to replace your tires with a different size, make sure the following checks are made before the purchase:

- Does the replacement tire have the load capacity that is needed for my trailer and will it fit properly inside the wheel well?
- Will the overall diameter difference affect the braking system?
- Is the increase in air pressure compatible with the maximum rated pressure stamped on the rim?

Most trailers are towed at or near maximum loads during hot weather and then are left idle for months. In normal use, oils in the tire come to the surface during flexing and protect the rubber from ultraviolet light. But when the trailer tires sit idle too long, natural aging may cause the rubber to crack prematurely, especially in the sidewall area. Trailer tires over 5 years old should be inspected by a tire expert for cracking and replaced even if it has no apparent tread wear.

Choose a tire adequate for the load. The load rating printed on the sidewall will show the maximum load that can be carried at a defined pressure.

A LT225/75R16 tire inflated to 80 psi (MAX.) has a load capacity of 2680 lbs.

WARNING

Do not mismatch wheels and tires.

Axle systems are installed with hubs and drums that are compatible with many wheels used in the recreational vehicle industry that have matching bolt patterns. If the original manufacturer-installed equipment is in need of replacement, the wheel manufacturer should be contacted for proof of compatibility prior to replacement and use.

Customers replacing original with equipment that has not been tested for compatibility must ensure the replacements are compatible to the hub and drum assembly installed. Such elements of compatibility include, but are not limited to:

- Diameter of the hub-mounting surface.
- Stud length and diameter.
- Location and number of studs.
- Center hole diameter for the wheel.
- Wheel-mounting offset from the rim center.
- Rated capacity of the wheel.
- Wheel fastener torque.
- Wheel nut size and shape.
- Impact of any added wheel accessories (such as decorative center caps) that could affect proper seating of the wheel to the hub surface.

Refer to the following table for wheel specifications.

Wheel Specifications		
Size/Center Size In Inches	Lug Pattern	Model
16 x 6 / 5.5	6	All
All wheels have zero offset.		

Updating TPMS Monitor and CZone©

Any time you physically move a tire to a different position, such as changing or rotating tires, you will also need to update the sensor configuration on the TPMS monitor and update the link between the monitor and CZone.

Updating TPMS Monitor

A manual for the TPMS monitor has been provided with your owner's packet. Their manual contains warnings, cautions, and information on updating the sensors that should be reviewed.

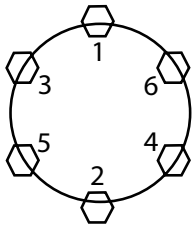
Updating TPMS to CZone© Link

- Locate the TST Gateway transmitter wired to CZone backbone. In the 30' Classic, it is located in compartment below wardrobe closet. In the 33' Classic, it is located by removing drawer below the convection oven.
- On the TPMS monitoring display, press and hold the "Go" button for approximately 3 seconds until the screen displays "ACC EPT".
- Press the "+" button 5 times until "SEnd" is displayed.
- Place the TPMS display close to the Gateway transmitter. Press the button on the transmitter (this is the button that is actually a red blinking light) 5 times rapidly. The transmitter will then "beep."
- Press and hold the "Set" button on the TPMS monitor until both, the transmitter and monitor, beep and the display shows "ACC EPT."

Lug Nut Torquing

Trailer wheels must carry much higher loads per wheel than passenger car or truck wheels. Each wheel may carry 1000 pounds and higher. Furthermore, wheels on tandem axle trailers do not steer, and are subjected to very high side load stress whenever the trailer makes a tight turn. When going around corners, especially on slow, tight turns, the wheels are subject to very strong side loads. This tends to flex the wheel and gradually loosen the wheel nuts. Although the materials and manufacturing methods are maximized for this kind of service, these extra loads can cause stress, which can result in flexing and loosening of wheel nuts.

Before each trip and any time a wheel is replaced, be sure to tighten the wheel nuts, following the lug-pattern sequence shown below. If the wheel was replaced, check the torque every 10, 25, and 50 miles.



If you notice wheel wobbling, or hear a rattling sound coming from a wheel, especially at low speeds, a wheel lug nut may have come loose. This problem is usually caused by improper tightening, or by faulty or damaged lug bolt threads.

If suspicious of a loose lug nut, safely stop vehicle as soon as possible. Put up warning devices and check the tightness of all the lug nuts. Tighten all lug nuts to the specified torque, using a torque wrench. If stud threads are damaged or faulty, get professional service help.

NOTE

Use a torque wrench to tighten lug nuts. Tightening by hand or with an impact wrench is not recommended. Torque Aluminum Wheels to 110 ft. lbs and Steel Wheels to 100 ft. lbs.

Spare Tire Carrier

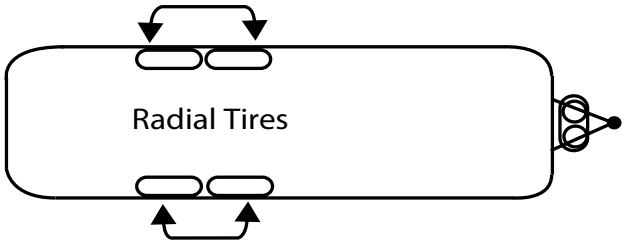
The spare tire for Airstreams are stored under the front of the trailer. The front handle of the tire carrier is a 1 in. tube protruding out from under the front A-frame on the curbside. It is secured by a bracket and bolt along the inside of the A-frame rail. Removing the bolts allows the front of the tire carrier to be lowered and the spare tire to be removed.

WARNING

The spare tire carrier is designed to carry an undamaged tire and rim assembly of the type and size specified for the trailer. Never place a severely damaged wheel assembly with a damaged partial tire, or a rim only, in the carrier.

Tire Rotation

(10,000-mile intervals)



Axles and Bearings

NOTE

Never allow heat to be applied to the axle tube because the rubber providing the spring torsion action will be severely damage.

Rubber Torsion Axle Alignment Specifications

Toe-In and Camber Specifications	
Toe-In each side 1/16 in.	Tolerance 1/8 in. + or -
Camber each side 3/4 degrees positive	Tolerance 3/4 degrees + or -

Nev-R-Lube Drums/Bearings

Classic trailers are equipped with Nev-R-Lube bearings. Dexter's Nev-R-Lube bearings are comprised of opposed tapered roller bearing cones sealed inside of a precision ground, one-piece double cup arrangement. These bearings are designed with a small amount of axial end-play. The end-play is essential to the longevity of the bearings service life.

Nev-R-Lube Bearing Inspection

1. Jack trailer at marked **JACK** location pad behind axle on main frame.
2. Check for excessive wheel end-clearance by pulling the tire assembly toward you and by pushing the assembly away from you. Slight end-play is acceptable (0.001 to 0.010 in.).
3. Rotate tire slowly forward and backward. The wheel assembly should turn freely and smoothly.
4. Excessive wheel end-play, restriction to rotation, noise, or bumpy rotation should be remedied by replacing the bearing unit.
5. Bearing units should be inspected every year or 12,000 mi., whichever comes first.

A slight amount of grease-weeping from the seal area is normal. Excessive leakage may indicate abnormal bearing operation. Bearing end-play inspection, drum removal/installation, and bearing replacement procedures are described in the Dexter Operation Maintenance Manual enclosed in your owner's packet. Airstream recommends that these procedures are performed by a qualified Dexter service technician, due the need of specialized tools and training.

Brakes

Due to normal brake lining wear, the brakes and the controller setting should be checked and readjusted every six months or 10,000 miles, whichever comes first.

Power Jack

Replacing Power Head

1. Disconnect electrical lead from jack to camper. Remove four screws located on each side of over. Remove top cover. Slide bottom cover down jack leg.
2. Remove two screws attaching motor to jack. Disconnect two electrical wires on motor from switches. Lift motor off of jack.
3. Align motor shaft with groove pin in top of screw shaft. Rotate motor so that slots align with two threaded holes in mounting surface. Attach screws.
4. Reattach wires to motor switch. Verify ground connection and attach top and lower motor cover with four screws.

⚠ CAUTION

Be sure to follow manufacturer instructions.

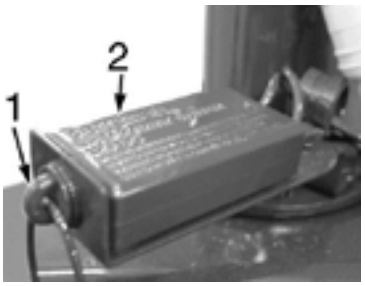
Power Jack Maintenance

1. Inspect at least twice each year for corrosion. Clean with a solution of baking soda and water, and then apply a thin coat of grease. The motor ground screw and mounting bolts must be cleaned too if a ground continuity problem occurs.
2. Once each year, extend jack as far as possible and clean inner ram tube. Coat tube with light coat of silicone spray lubricant. The Electric Drive Motor Landing Leg system is protected by a 30 amp fuse. If replacement is necessary, replace only with a 12VDC 30 amp automotive spade fuse.
3. Before each use, inspect jack tubes and replace if bent or damaged.
4. The Robofoot does not need to be lubricated or modified after installation.

NOTE

Leave tow vehicle transmission in NEUTRAL when lifting both units. Dolly wheels are not recommended. Always retract stabilizing jacks before using your jack under load.

Breakaway Switch



1. Pin
2. Breakaway Switch

To prevent corrosion within the breakaway switch, pull the pin out and spray the inside of the switch through the hole with an electric contact cleaner (such as Spra-Kleen). Applying a drop of light household oil on the pin and the groove near the base of the pin will allow the pin to operate freely. Immediately reinsert pin. Perform this procedure every 90 days.

⚠ CAUTION

Allow no more than 20 to 30 seconds pin separation as damage to brake magnets may occur.

Lithium Iron Phosphate Batteries

Your Airstream Travel Trailer is factory-equipped with two 100Ah 12V LiFePO4 deep cycle batteries. The house batteries are located, in a battery box behind the LP tank cover, on the A-frame.

Lithium Technology

Airstream's lithium batteries require no new hardware, or complicated setup, and are a drop-in upgrade. They are designed to outperform traditional lead acid batteries and offer more usable energy. The Lithium batteries have a life span of approximately 3000-5000 cycles. A cycle is determined by a discharge and a charge. How many cycles a lithium battery can sustain is determined by how depleted a battery is discharged, before it is charged. A battery that is only discharged 50% will have more cycles than a battery that is constantly discharged to 0%.

Lithium batteries provide longer life and faster charging than lead acid batteries, while still providing over 80% of the rated capacity, after thousands of cycles. If the batteries are completely depleted, it will take approximately 8 hours to charge the 200Ah battery bank, at 25 amps.

Unlike lead acid batteries, which require water replacement, lithium batteries require no active maintenance. The use of lithium batteries also provides the benefit of delivering more energy at typically half the weight of a traditional battery.

NOTE

An owner's manual for the lithium batteries is provided in the Airstream Owner's Packet. Make sure to read, understand, and follow all information, such as Notes, Cautions, and Warnings, before operating.

Battery Management System (BMS)

A BMS is crucial in ensuring safe operation of any lithium battery. The BMS monitors cell voltages, currents, and temperatures to make sure they are operating in a safe range. The BMS is sealed internally and will shut the battery down should any fault condition occur. The battery will restart once the fault condition is cleared. The following, are features of the BMS:

- Over/under voltage protection
- High current protection/short circuit
- High temperature protection
- Low temperature charging protection
- Cell balancing

⚠ CAUTION

Even though the BMS will protect against issues from overcharging, it should be avoided. The recommended specs are 14.4-14.6 bulk/absorb and below 13.6 float.

The BMS will shut the batteries down when the battery voltage drops below approximately 11.5 VDC. When the batteries shut down, due to Low Battery Cut Off (LBCO), the battery disconnect switch will remain in the position it was in, prior to the batteries shutting down.

To bring the batteries out of LBCO Mode, 120-volt power needs to be present, as a voltage of 11 VDC or greater needs to be applied across the battery terminals.

If the trailer is disconnected from shore power, before the batteries are charged, the batteries could go back into LBCO Mode. Bringing the batteries out of LBCO Mode is essentially "waking up" the batteries and allowing them to take a charge.

NOTE

If the batteries are in LBCO Mode and it is below 35°F, turn the "Battery Heater" switch to "ON" before performing the wake up procedure.

NOTE

The BMS will not allow a charging current if the batteries internal temperature is below 25°F and it will not allow a charging or discharging current above 135°F.

Battery State of Charge

The heated batteries consume an average of 1.8 amps. Testing indicates, that at 0°F, with no insulation, the heater would be on about 30% of the time. With no other loads or charging, the batteries would give approximately 185 hours of heat capability before the batteries would go into LBCO shutdown.

Voltage	Capacity	Amp Hours Remaining
14.4V	100%	200
13.6V	100%	200
13.4V	99%	198
13.3V	90%	180
13.2V	70%	140
13.1V	40%	80
13.0V	30%	60
12.9V	20%	40
12.8V	17%	34
12.5V	14%	28
12.0V	9%	18
10.0V	0%	0

NOTE

Values are based off a testing environment with the batteries at 100% capacity.

NOTE

The system is calibrated at Airstream, however, if the batteries are disconnected or fully discharged, past the state of BMS protection, the Smart Shunt will need to be recalibrated. To do so, the batteries must be fully charged to a peak voltage of 14.3 volts. If the shunt is not calibrated correctly, the SOC status in the Airstream Smart RV Control app will appear dashed out. The converter has a maximum charge time of 4 hours, which may not be long enough to fully charge the batteries. To continue charging, disconnect the shoreline power supply and reconnect. This will allow the converter to continue charging for another 4 hours.

Cold Weather Usage

During the winter, lithium batteries will not take a proper charge if the temperature is below 35°F. To help prevent the batteries from reaching these temperatures, an internal heating element has been installed, which will engage when the temperature drops below 35°F, if the switch is turned ON. The heating element will automatically engage and disengage, depending on the temperature, and does not require any user involvement.

The battery heater switch should be turned OFF when storing your trailer. The switch is located on the side of the battery box and is labeled for your convenience. Turing off the switch while the trailer is in storage will prevent any parasitic battery draws from the heaters.

NOTE

It is recommended that the battery heater's be turned ON if the outside ambient temperature will drop below 35°F.

Water Pump

Water Pump Access Locations

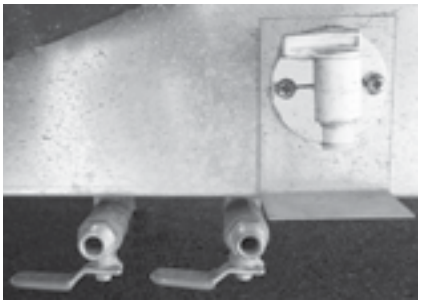
The water pump and strainer are located, depending on the model, under the refrigerator behind the drawer or below the wardrobe behind a removable false panel.

Strainer Cleaning

Locate the water pump and housing cap. Turn housing cap counterclockwise to remove cap and carefully pull out strainer. Clean strainer in small bucket of clean water or under running water. If necessary, clean strainer in a detergent solution. If the detergent solution is used, rinse thoroughly. Install strainer and housing cap, being careful not to damage housing cap seal.

Fresh Water Tanks and Draining

Drain Valves



The fresh water line drain valves are located on the exterior of the trailer for easier access. Between the tires you will see a galvanized steel box that is a few inches lower than the trailer frame. The line drains will be the two brass petcocks extending from the end of the pan. The white plastic petcock you will see is to drain the water tank. A second cold water low point valve is located in the outside utility compartment between the city water fill and black tank flush.

Fresh Water Tank Draining

Pumping the water out with the self-contained water pump can empty the fresh water tank. Simply turn on the pump switch and open a couple of faucets until the water will no longer drain out. Be sure to watch closely and turn the pump off when the tank runs dry. Pump damage can occur if the pump runs dry for more than a few minutes.

Water Heater Draining

Locate the drain valve on the Alde furnace/water heater located under the dinette seat. Before draining, switch off the fresh water pump and open all water taps to allow air to enter the hot water reservoir as water is emptied out. Open the drain valve by turning the lever. The water heater will drain directly below the trailer through the drain valve hose. If storing the trailer be sure to leave the valve in the open position until the next time the heater is used.

The hot water reservoir should be flushed if:

- The boiler has not been used for some time.
- The boiler is in continuous use supplying hot water (the trailer is being used full time). In this case the hot water reservoir should be emptied once a month.

NOTE

Refer to the Alde Operating Instructions for further information on the water heater.

CAUTION

The water heater and its plumbing should always be drained of fresh water when there is a risk of freezing or when the trailer is not in use. The warranty does NOT cover frost damage.

WARNING

Never actuate the drain valve lever as long as the water heater is under pressure and/or is still warm.

Sanitizing

Potable water systems require periodic maintenance to deliver a consistent flow of fresh water. Depending on use and the environment the system is subject to, sanitizing is recommended prior to storing and before using the water system after a period of storage. Systems with new components, or ones that have been subjected to contamination should also be disinfected as follows:

1. Use one of the following methods to determine the amount of common household bleach needed to sanitize the tank.
   a. Multiply “gallons of tank capacity” by 0.13; the result is the ounces of bleach needed to sanitize the tank.
   b. Multiply “Liters of tank capacity” by 1.0; the result is the milliliters of bleach needed to sanitize the tank.
2. Mix the proper amount of bleach into a container of water.
3. Pour the correct amount of solution (water/bleach) into the Fresh Water tank and fill with potable water.
4. Open all faucets (hot and cold) allowing the water to run until the distinct odor of chlorine is detected.
5. The standard solution must have 4 hours of contact time to disinfect completely. Doubling the solution concentration will allow for contact time of one (1) hour.
6. When the contact time is completed, drain the tank. Refill with potable water and flush the plumbing of all sanitizing solution.

Black and Gray Water Tank Draining

To empty one or both tanks, attach the sewer hose by pressing the bayonet fitting onto the dump valve outlet and rotating clockwise until it feels solid and secure. Attach the outlet end of the hose to the sewage outlet, making sure the hose is placed so it will drain completely. Pull the main dump valve handle as far as it will go and wait until the tank is drained. Close the dump valve and partially refill the tank with clean water, and repeat the process until clean. The main holding tank must be flushed out until all paper and waste material is removed. Should solids accumulate, close the dump valve, fill the tank about half full with water, and 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. Now pull the auxiliary tank valve handle to drain the gray water tank. When dumping, the main holding tank should be dumped first, then the auxiliary holding tank. This will help to rinse the sewer line with auxiliary holding tank water. Replace the bayonet ring cap prior to traveling.

1. Black Water (Main) Dump Valve
2. Light
3. Light Switch
4. Auxiliary Tank Dump Valve
5. Drain Cap

Black Water Tank Dumping

When you are in a park and connected to a sewer 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, all at once, through the main holding tank 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, 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.

Draining the tanks as described will protect them from freezing during storage. When traveling in sub-freezing temperatures, use a winterizing solution designed for RV use. Follow the directions on the container.

Black Water Tank Flush

The trailer has a water hose connector specifically for flushing the Black Water Tank. To use, hook up a garden hose and turn it on. Within the tank, a head with multiple holes will spray the interior surface of the tank. Once the tank is about half full, turn the garden hose off and flush the water from the tank using the dump valve. The valve should be closed for the first couple of minutes, and then opened to let the water out in a rush. Repeat as needed.

It is recommended the tank flush be used on a regular basis or the holes on the spray head may become clogged.

Drain Systems Cleaning

The only cleaning agents that can be used without causing harm to the system are household ammonia and tri-sodium phosphate in small quantities. Do not use any product that contains any portion of petroleum distillates. This type of product will attack the rubber seals of your toilet and dump valve. Also, do not use any dish detergent or abrasive cleaners. All products should be marked as approved for ABS drainage systems.

Winterizing and Storage

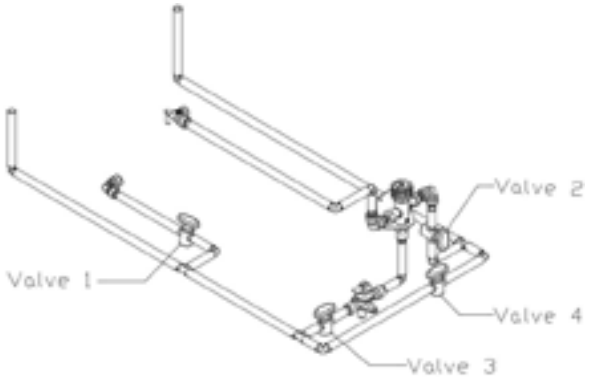
When storing your trailer for short or long periods, use the same precautions as you would in your own home in regard to perishables, ventilation, and rain protection. In addition, for prolonged storage periods, flush all the drain lines and the holding tanks. Also drain the entire water system including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

The main consideration in winterizing your trailer is to guard against freeze damage to the fresh water system lines, tank, and pump; the waste drain system including the traps and tanks; the water heater; and the batteries.

To completely winterize your trailer follow this procedure:

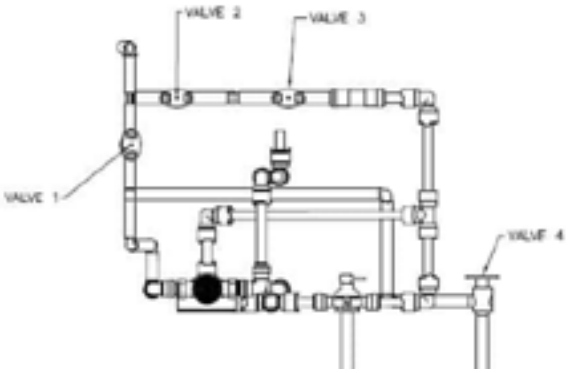
1. Level the trailer from side to side and front to rear. Open all faucets.
2. Turn the water pump switch to the ON position to expel water from the storage tank
3. Open all drain valves including drain plug or valve on water heater and exterior water service valve.
4. While the water is draining from the system, open and flush the toilet-flushing valve. Depress hand spray thumb button on the telephone shower head while holding down inside the tub and drain all water from the flexible hose. Unscrew the heads on both spray units and store.
5. Turn the pump switch OFF after all water has been removed from the storage tank.
6. Disconnect outlet hose from water pump. Turn the pump on until all the water is expelled. This water, about 1/2 cup, can be caught in a towel or rag. Reconnect hose.
7. Lower the front of the trailer as far as the jack will allow until water ceases to drain, and then crank the jack up as high as it will go and allow any remaining water to drain out.
8. After the water has stopped running from the drain lines, apply 50 lb. of air pressure at the city water inlet. An air-to-city water adapter is available from your dealer's RV accessory store. Be sure the toilet valve and faucets are open, and the pump outlet hose is disconnected. This can be done at a service station and will force any remaining water from the water heater and remove any water that may be trapped in low areas. See diagrams below for proper valve settings.

30’ Classic



- Normal operation: 1, 2 , 3 Open / 4 Closed
- Bypass Alde: 1, 2, 3 Closed / 4 Open
- Winterize: All valves open (If blowing out the lines, Close 1 & 2)

33’ Classic



- Normal operation: 1 & 3 Open / 2 & 4 Closed
- Bypass Alde: 1 & 3 Closed / 2 Open
- Winterize: Valve 1 & 3 Closed / 2 & 4 Open

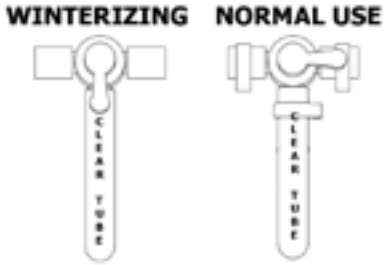
9. Pour a cup of approved non-toxic RV antifreeze that has been listed by a recognized testing authority such as Underwriter Lab into the lavatory, sink, and tub drains to prevent trap freeze-up.
10. Be sure to open the waste-holding tank dump valves, and drain and flush the tanks thoroughly *(this is very important as the sewage in the tanks, if frozen, could seriously damage the tanks)*. Plan ahead and have this done at a dump station.
11. For best practices: remove the batteries from your trailer and store in a cool, dry place where there is no danger of freezing. It is very important for optimum life of a 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. If the period of storage is for 30 days or less, you may turn off the battery disconnect switch rather than remove the batteries. Continue to check and recharge the batteries as needed, at least weekly in severe weather.

⚠ CAUTION

Remove all RV antifreeze spillage from all drain and faucet parts after winterizing. Failure to do so could result in damage to the finish of the plumbing fixtures.

An Optional method for winterizing protection, is to add a non-toxic antifreeze (approved for drinking water system) to the water lines using the following procedure:

1. Close all drain valves.
2. For antifreeze usages follow manufacturer’s instructions found on label of container.
3. Drain and turn off the main power to the water heater.
4. Open all water faucets.
5. Your unit has a winterization kit installed near the water pump. Open the valve to the winterizing position and remove the plug.



6. Insert hose length into the antifreeze container, turn the pump switch on, and run the water pump until the antifreeze solution fills all water lines. Flush toilet. Work hand shower spray while holding down in tub.
7. Shut off the pump and close all faucets.
8. Turn valve on winterization kit back into normal use position and reinstall hose plug.

Maintaining The Heating System

Regularly check the heating system fluid level in the expansion tank located, depending on the model, behind a removable panel in the bathroom cabinet above the toilet or behind a removable panel between the shower and sofa wall. The tank has markings on the side to indicate the maximum and minimum level for the fluid. The fluid level should be about .5 inches above the minimum indicator in a cold tank. Please refer to the Alde Owner's Manual provide in your owners packet for further maintenance and winterization tips.

Main Door Care

Lubrication

Apply a little paraffin or grease to the striker pockets and a slight amount of household oil to the lock mechanisms to keep the locks operating smoothly. Also, lubricate the hinge pins periodically with household oil. Use the lubricant sparingly and immediately remove any excess from exterior skin.

Adjustment

Main door adjustment can be affected by:

- The trailer being improperly leveled (causing twisting of trailer body/shell).*
- Striker bolt alignment being out of adjustment, (striker bolt is adjustable).
- Screen door being out of adjustment, resulting in a situation of the door rubbing the frame, or not closing flush (which will create pressure on the door).
- Main door has come open at some point, introducing a change to the contour of the door frame (check for sheared rivets on interior skin of door).
- * When using the stabilizers (for eliminating movement-not leveling) on your Airstream, be sure to check the fit of your main door before and after extending stabilizers. The fit of the main door can be affected if trailer is not level side to side and front to back.

Windows

Sticking Windows

Forcing the window open may cause the window to shatter. Always follow the guidelines below for releasing a stuck window.

1. Unlatch the window latches securing the windows on the interior.
2. Apply some 303 Aerospace Protectant to a nylon wedge window tool.
3. Starting in the corner, tuck the end of the nylon tool under the glass and gently slide to opposite end.

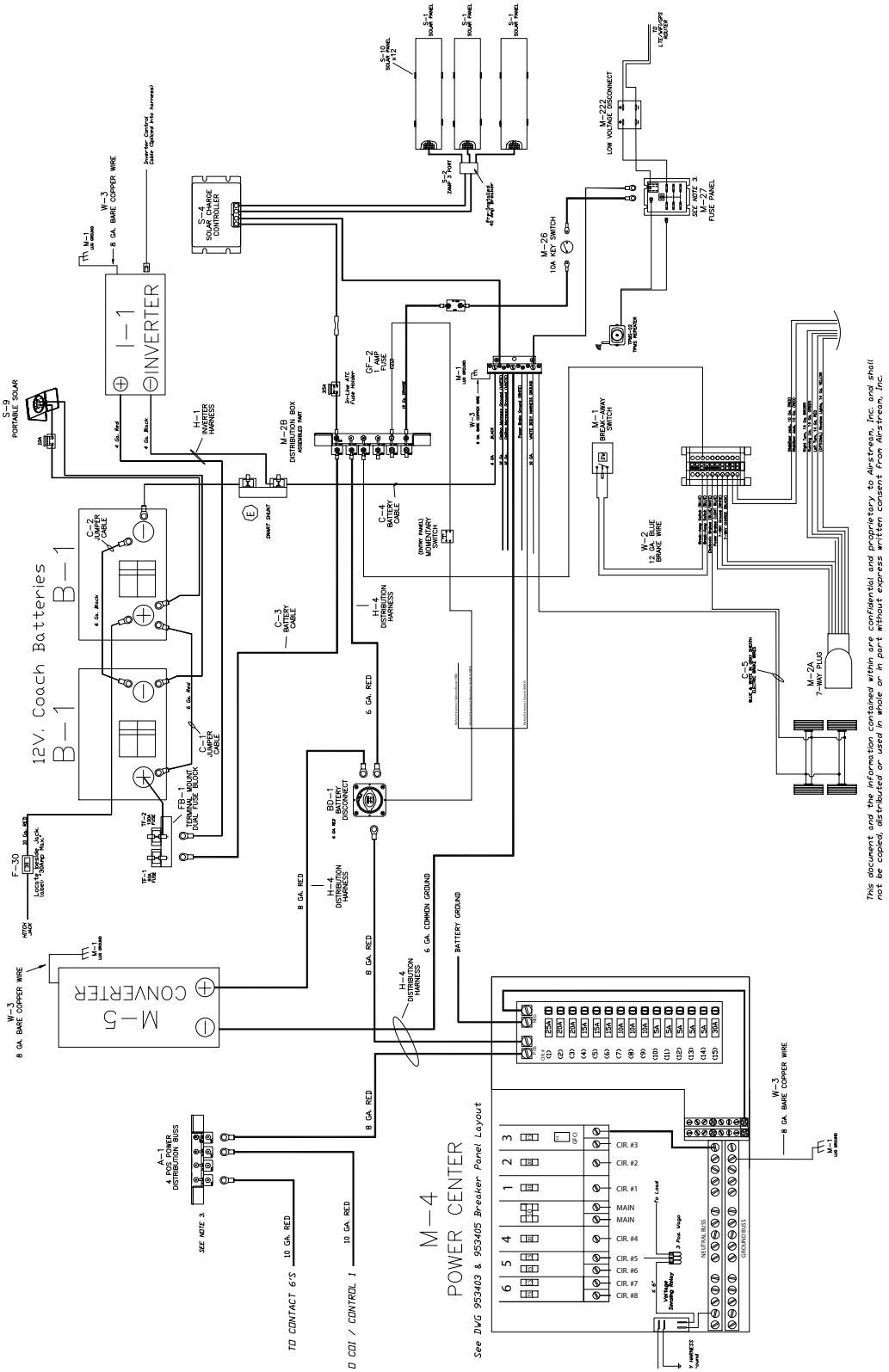
⚠ CAUTION

Prying up or applying pressure to the window may cause the window to shatter, resulting in personal injury or unit damage.

4. Once the window is released, wash the gasket with a mild soap and water solution, and dry.
5. Apply 303 Aerospace Protectant (Airstream part # 44845WR-01) to the window gasket. To apply, spray/pour 303 onto a soft rag or sponge and apply a generous coating directly to the gasket. Remove any residue that comes in contact with the exterior aluminum skin. This may be ordered through the Airstream dealer or at the Airstream online store at www.airstream.com.

Electrical Diagrams

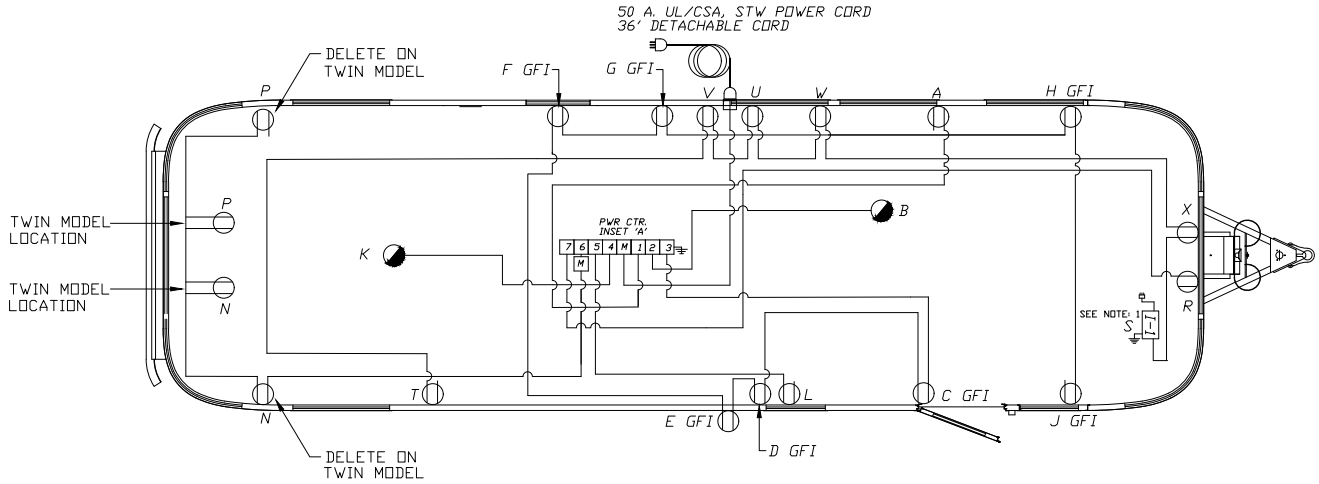
12-Volt Main Schematic



120-Volt/50-Amp Diagrams

The following electrical diagrams are representative of the National Electric Code (NEC) and Canadian Standards Association (CSA). All circuits are NEC with the exception of CSA circuits as specified in each respective table.

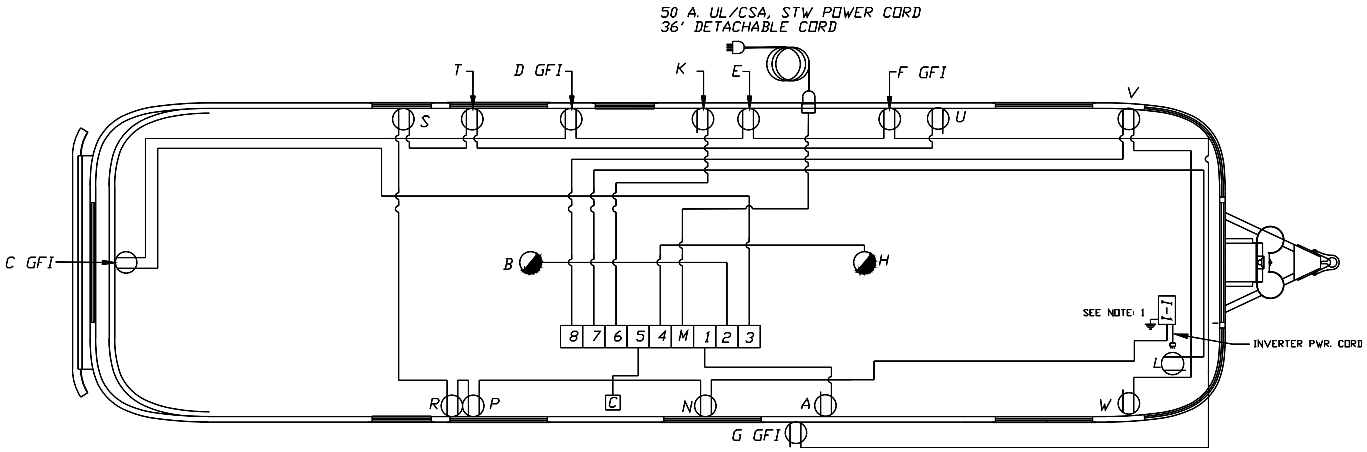
30RB Classic



Main Circuit, 50 Amp		
Circuit 1, 20 Amp		
A	Alde System	16.0 Amps
Circuit 2, 20 Amp		
B	Front Air Conditioner	16.0 Amps
Circuit 3, 15 Amp (GFCI)		
C	Galley Endpanel Receptacle	1.5 Amps
C	Galley Endpanel Receptacle - CSA	1.0 Amps
D	Galley Receptacle	1.5 Amps
D	Galley Receptacle - CSA	1.0 Amps
E	Outside Receptacle	1.5 Amps
E	Outside Receptacle - CSA	1.0 Amps
F	Bath Receptacle	1.5 Amps
F	Bath Receptacle - CSA	1.0 Amps
G	Refrigerator Receptacle	2.7 Amps
H	RS Living Area Receptacle	1.5 Amps
H	RS Living Area Receptacle - CSA	1.0 Amps
J	CS Living Area Receptacle	1.5 Amps
J	CS Living Area Receptacle - CSA	1.0 Amps
Circuit 4, 20 Amp		
K	Rear Air Conditioner	16.0 Amps

Circuit 5, 15 Amp		
L	Microwave Receptacle	12.0 Amps
Circuit 6, 15 Amp		
M	Converter (Wired Direct)	8.0 Amps
N	CS Nightstand Receptacle	1.5 Amps
N	CS Nightstand Receptacle - CSA	1.0 Amps
P	RS Nightstand Receptacle	1.5 Amps
P	RS Nightstand Receptacle - CSA	1.0 Amps
Circuit 7, 15 Amp		
R	Inverter Receptacle	9.2 Amps
S	Inverter	0.0 Amps
T	Bedroom TV Receptacle	1.5 Amps
U	Blu-Ray Player Receptacle	1.5 Amps
V	Dinette TV Receptacle	1.5 Amps
W	Dinette Receptacle	1.5 Amps
W	Dinette Receptacle - CSA	1.0 Amps
X	Power Lounge Receptacle	3.2 Amps
DC to AC 1000W Inverter Rated at 8.5 Amp Inverting		
15 Amp Fuse for Overcurrent. Transfer Switch rated at 15 Amp. UL 458 Tested. ULC		

33FB Classic

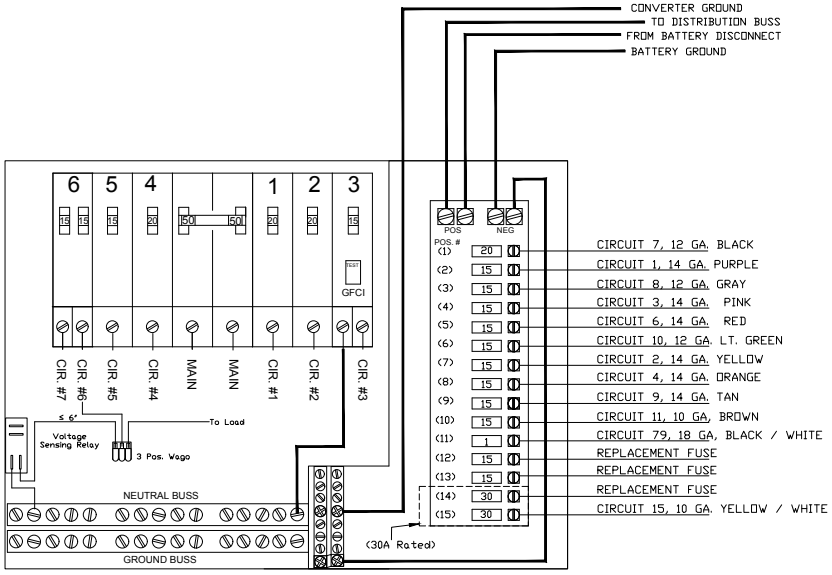


Main Circuit, 50 Amp		
Circuit 1, 20 Amp		
A	Alde System	16.0 Amps
Circuit 2, 20 Amp		
B	Rear Air Conditioner	16.0 Amps
Circuit 3, 15 Amp (GFCI)		
C	Bath Receptacle	1.5 Amps
C	Bath Receptacle - CSA	1.0 Amps
D	Desk Receptacle	1.5 Amps
D	Desk Receptacle - CSA	1.0 Amps
E	Galley Receptacle	1.5 Amps
E	Galley Receptacle - CSA	1.0 Amps
F	Refrigerator Receptacle	2.7 Amps
G	Outside Receptacle	1.5 Amps
G	Outside Receptacle - CSA	1.0 Amps
Circuit 4, 20 Amp		
H	Front Air Conditioner	16.0 Amps
Circuit 5, 15 Amp		
J	Converter (Wired Direct)	8.0 Amps

Circuit 6, 15 Amp		
K	Microwave Receptacle	12.0 Amps
Circuit 7, 15 Amp		
L	Inverter Receptacle	9.0 Amps
M	Inverter	0.0 Amps
N	Dinette Receptacle	1.5 Amps
N	Dinette Receptacle - CSA	1.0 Amps
P	Blu-Ray Player Receptacle	1.5 Amps
R	Projector & Tuner Receptacle	1.5 Amps
S	Projector Screen Receptacle	1.5 Amps
T	Sound Bar Receptacle	1.5 Amps
U	Bedroom TV Receptacle	1.5 Amps
Circuit 8, 15 Amp		
V	RS Nightstand Receptacle	1.5 Amps
V	RS Nightstand Receptacle - CSA	1.0 Amps
W	CS Nightstand Receptacle	1.5 Amps
W	CS Nightstand Receptacle - CSA	1.0 Amps
DC to AC 1000W Inverter Rated at 8.5 Amp Inverting		
15 Amp Fuse for Overcurrent. Transfer Switch rated at 15 Amp. UL 458 Tested. ULC		

Standard 50 Amp Circuit Breaker Layouts

30RB

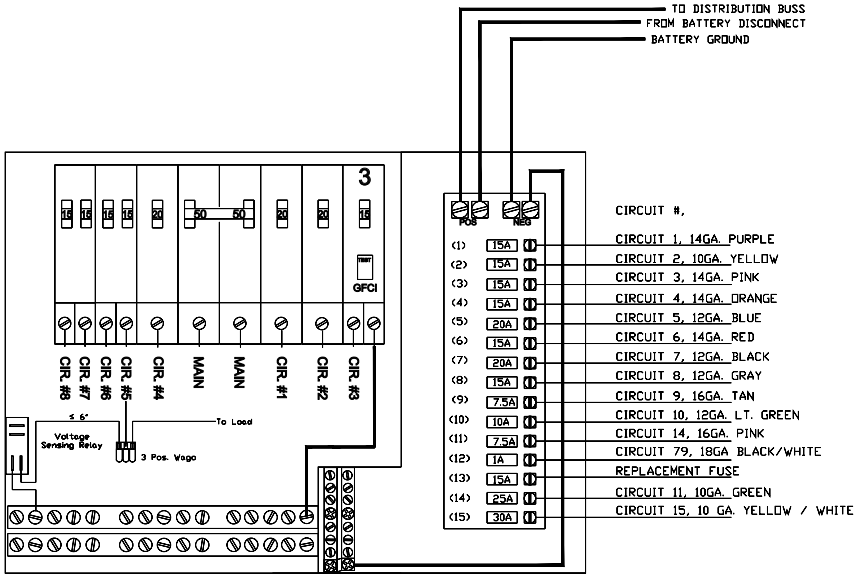


BREAKER PANEL LABEL

CIR 7: (15A) INVERTER, A/V DEVICES, DINETTE RECEP,POWER LOUNGE RECEP.
CIR 6: (15A) BEDROOM RECEPTS. & CONVERTER
CIR 5: (15A) MICROWAVE RECEPT.
CIR 4: (20A) REAR A/C

MAIN LEG 2: (50A)
MAIN LEG 1: (50A)
&
CIR 1: (20A) ALDE SYSTEM
CIR 2: (20A) FRONT A/C
CIR 3: (15A) OUTSIDE, REFER, GALLEY, BATH & LOUNGE RECEPTS.

33FB



BREAKER PANEL LABEL

CIR 8: (15A) BEDROOM RECEPTS
CIR 7: (15A) INVERTER, A/V DEVICES, DINETTE RECEPT.
CIR 6: (15A) MICROWAVE RECEPT.
CIR 5: (15A) AC TO DC CONVERTER
CIR 4: (20A) FRONT A/C

MAIN LEG 2: (50A)
MAIN LEG 1: (50A)
&
CIR 1: (20A) ALDE SYSTEM
CIR 2: (20A) REAR A/C
CIR 3: (15A) OUTSIDE, REFER, GALLEY, BATH & LOUNGE RECEPTS.

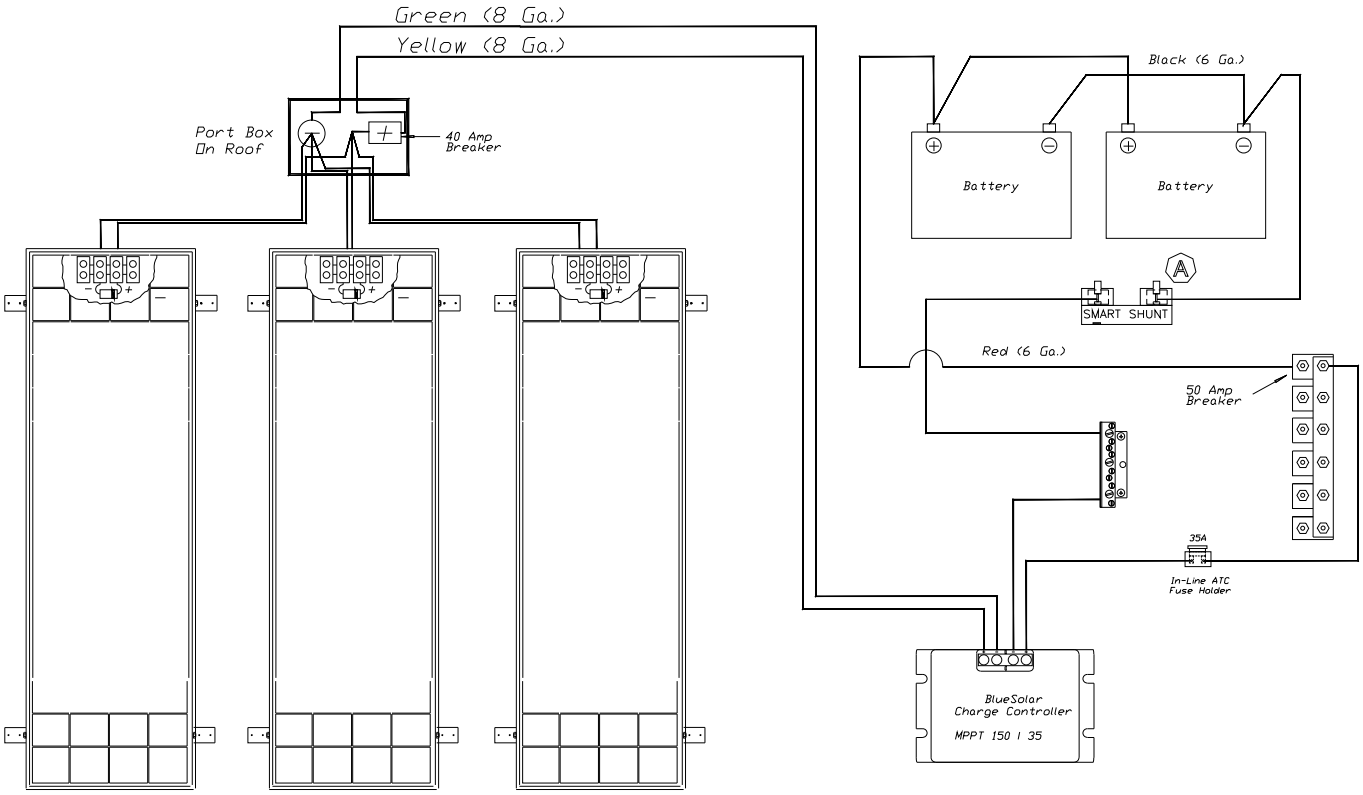
Solar Panel Wiring

Your Classic comes factory equipped with solar panels on the roof. For your convenience Airstreams has also installed a plug for a portable solar panel at the front of the trailer near the battery box. Simply plug the power cord from your potable solar panel into the front port for extra solar power. The solar panel has a charge controller that is mounted close to the battery buss bars, as the battery leads and Cat 5 wire are hooked into it to sense the actual battery charge.

NOTE

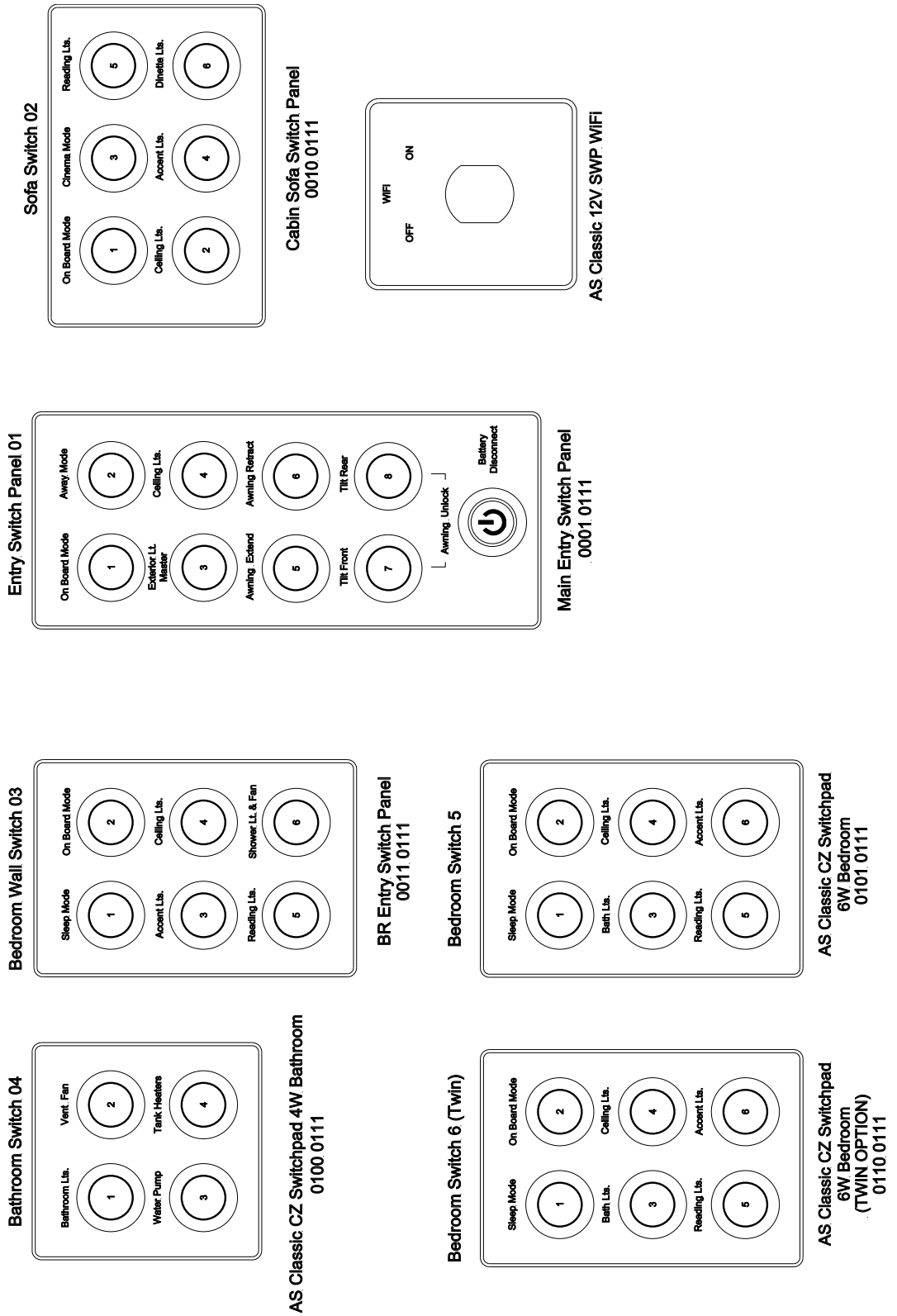
The yellow wire is fused with a 35-amp in-line fuse at the 12-volt positive wire.

The following diagram depicts the way Airstream wires the solar system.

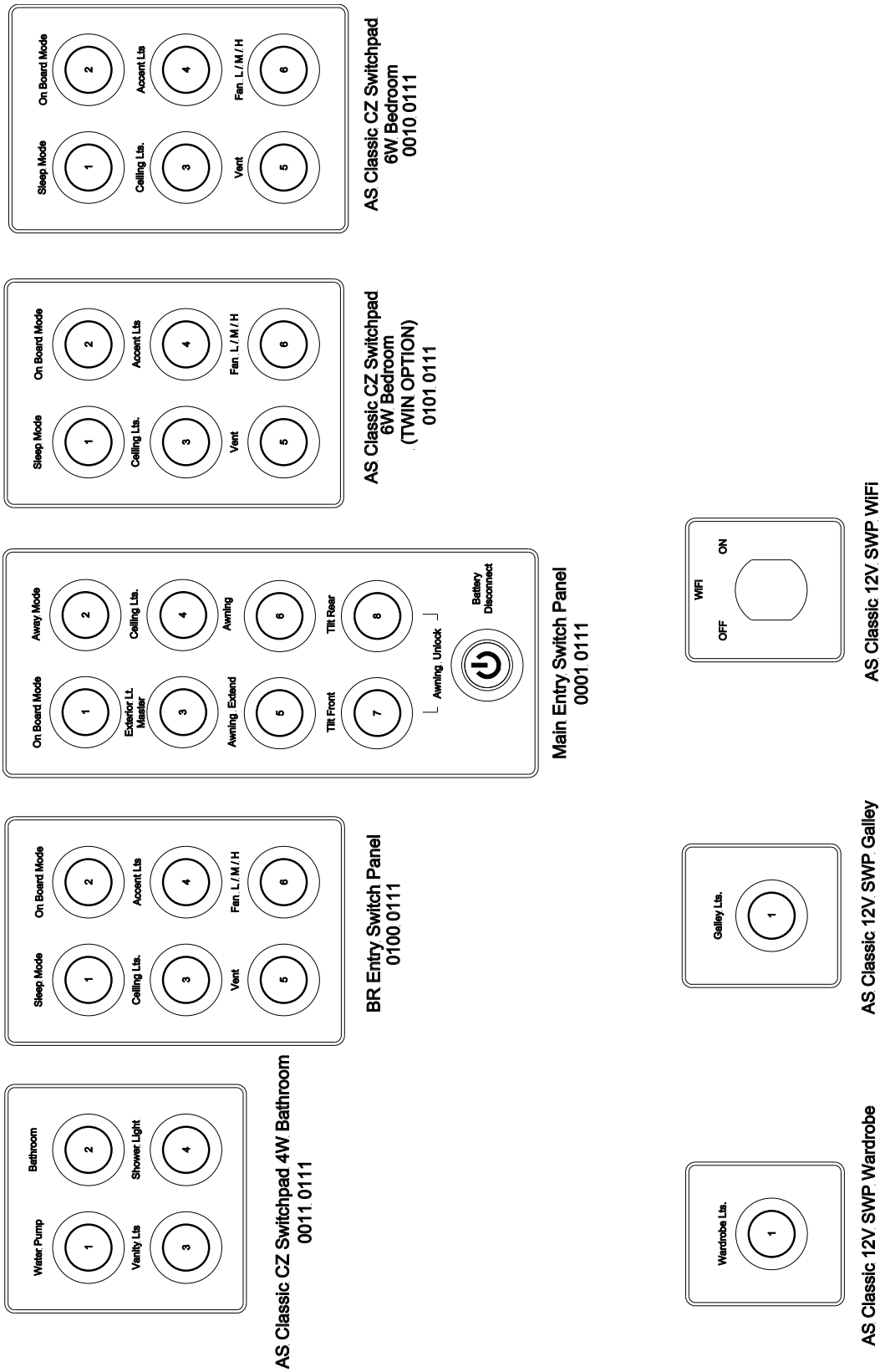


Multiplex Controls

Switch Panel Layout - 30RB



Switch Panel Layout - 33FB



Alarms

Alarms - Notifications

The Alarms Menu will display a list of the alarms that have been triggered by the CZone® system. Alarm notifications are set at the factory and have four severity levels.

- **Blue - Warning**, this is the lowest alarm severity indicating a minor issue. The alarm will disappear once acknowledged.
- **Yellow - Standard**, will be provided with a popup dialogue on screen. The alarm will disappear once acknowledged.
- **Orange - Important**, indicates something is wrong with a system and you will need to investigate before trying to operate it. This alarm will give you an audible tone and popup dialogue on screen. The alarm will remain active in the alarms page.
- **Red - Critical**, immediate action is necessary to avoid damage and/or a failure of a system. This alarm will give you a popup dialogue and audible tone no matter the screen or action you are currently on. The alarm will return in 10 minutes after acknowledgment until the fault is remedied.

Modes

Modes - Four Preset Modes

Away Mode - Can be used when temporarily away from the travel trailer while camping. Away mode will power OFF most features to help conserve battery power.

Cinema Mode - Prepares the travel trailer for TV viewing.

On-Board Mode - Provides an easy one touch ability to turn ON most features of the travel trailer.

Sleep Mode - Provides an easy one touch ability to turn OFF most features of the travel trailer.

Away Mode

- Ceiling Lights turn ON to 50% for 20 seconds and then OFF
- All other items turn off and Vents close

The battery disconnect does not activate during Away Mode, you will need to disconnect separately

On Board Mode

- Motion Lights turn OFF
- Awning Power is ON
- All Accent Lights turn ON
- All Backlights turn ON
- Galley, Grab Handle, Ceiling Lights turn ON

Cinema Mode (33’ Only)

- Motions Lights turn ON
- Cabin Display turns OFF, Main Cabin Switch Panel Backlight dims to 20%
- Grab Handle turns ON
- Inverter turns ON
- Galley Lights turn OFF
- Main Ceiling Lights Dim to 3%

Sleep Mode

- Aisle Lights turn ON
- Bath Lights and Fan turn OFF
- Bedroom Accent and Ceiling Lights turn OFF
- Backlighting Bathroom Switch Dims to 20%
- Backlight Main Cabin Switch Dims to 20%
- All other Backlighting turns OFF
- Galley Lights turn OFF
- Grab Handle turns ON
- Main Ceiling Lights turn OFF
- Shower and Vanity Lights turn OFF

Settings

The Settings Menu provides access to information such as: About, Configuration, Display and Sound, Units, System, Battery Calibration, NMEA 2000 Monitoring, Wireless Server, Network and Reset.

Airstream recommends against changing any settings except Display and Sound, Temperature and Volume, and Date and Time.

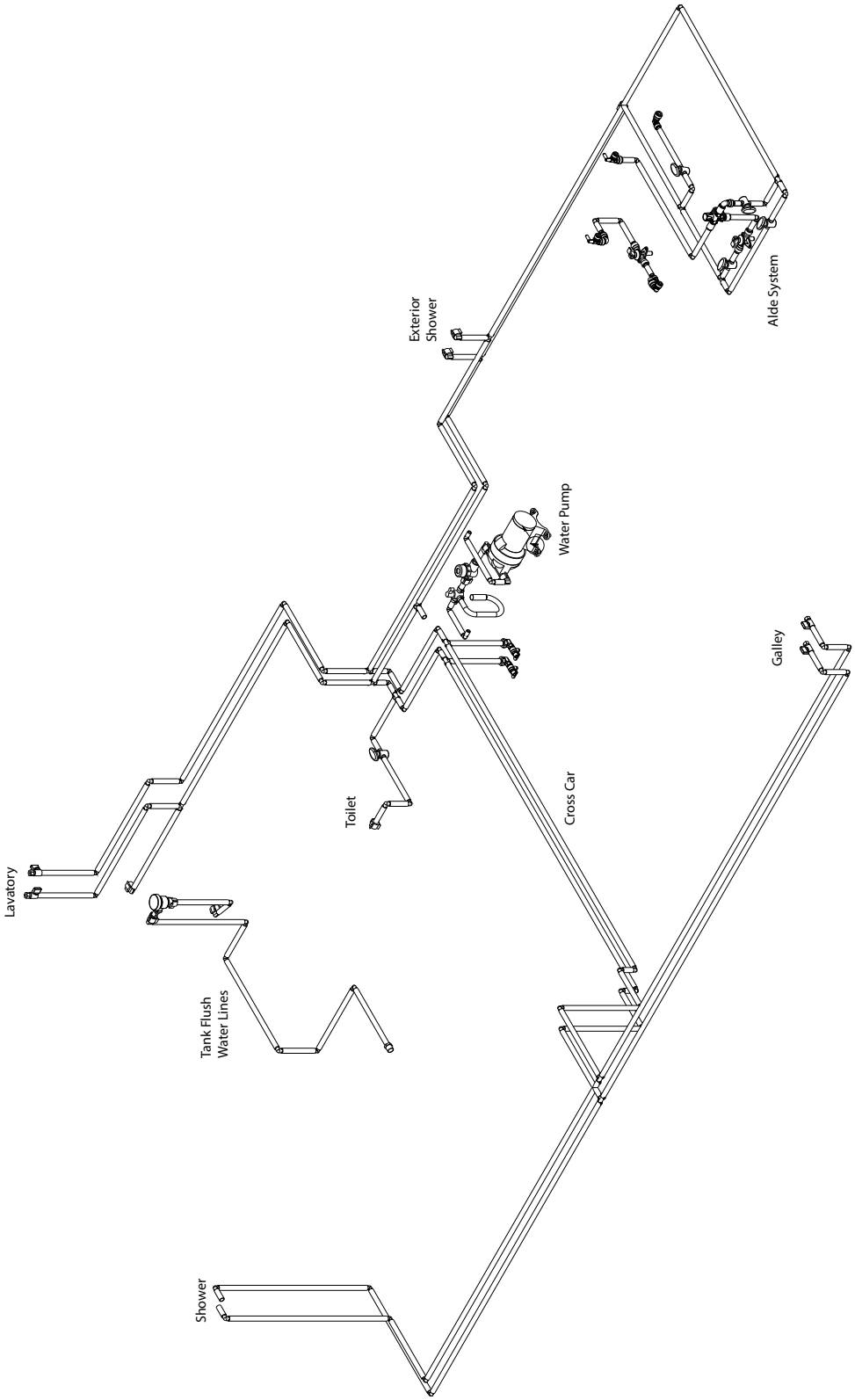
Settings such as Wifi Server, Dipswitch Settings, and Network Address should never be changed and could cause the system to quit operating completely. Changing of CZone® system settings via the touch screen control panel may require the travel trailer to be taken to a service center for reconfiguration.

NOTE

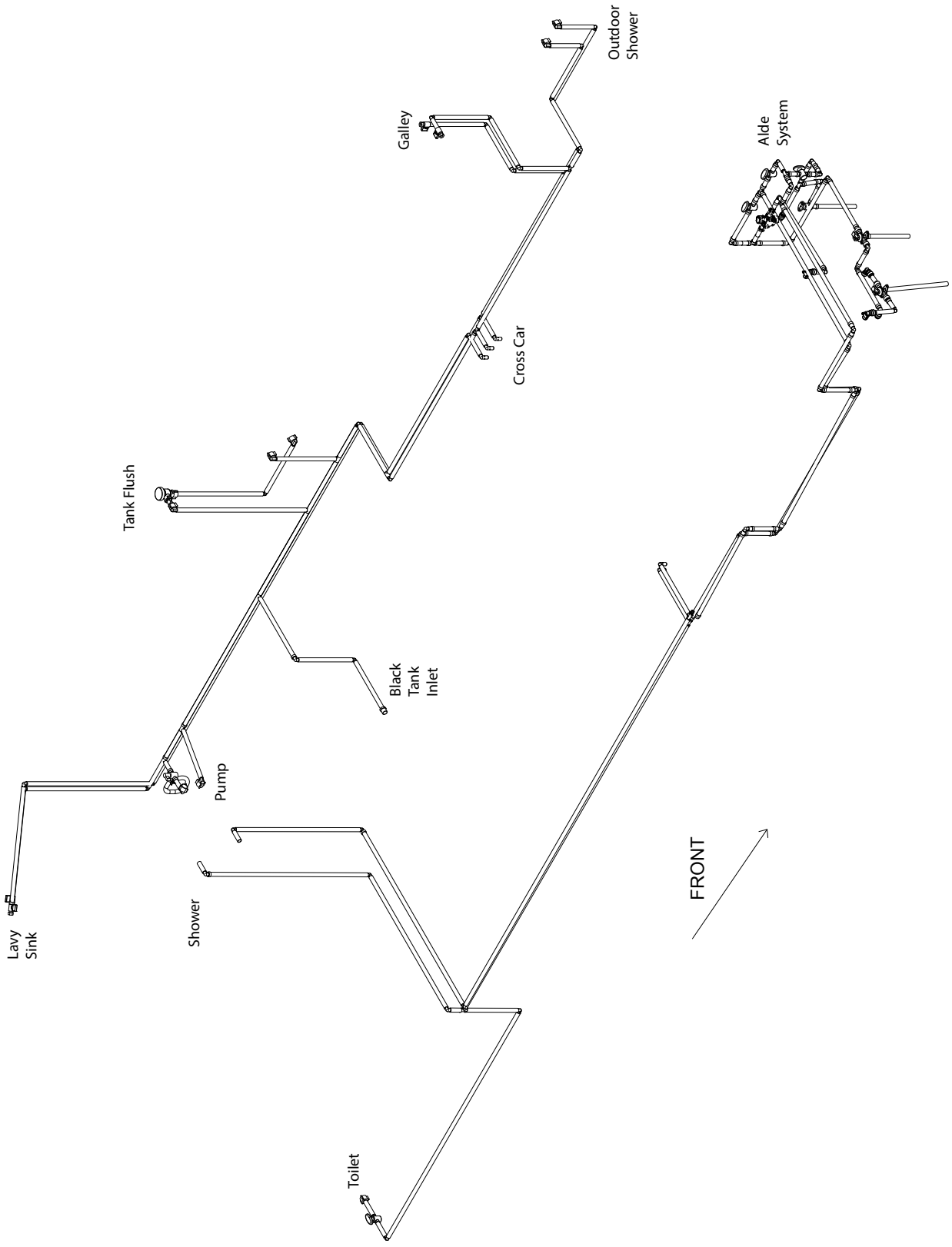
It is important to know that while system settings can be manually changed most should not. Airstream calibrates the system before leaving the factory and any changes made after may cause the system to function incorrectly or not at all.

Fresh Water Layouts

30RB Classic



Fresh Water Layout - 33FB Classic



FAQs and Answers

Electrical

1. What size of generator is needed to operate my Airstream?

Answer: A 1,000-watt generator may be used to charge just the batteries. However, if you are wanting to run appliances such as microwave or AC units, it is recommended to have at least 4,000 watts or more, which is enough power to run one major appliance. (This is for a 30 amp system).

* Many Airstreamers accomplish this using two portable generators running in parallel.

2. What can I plug into the 1000 watt inverter outlets in my Airstream?

Answer: These plugs are designed for no more than 1000 watts of power and are intended for charging things such as laptops and phones, and TV usage. Plugging in items such as vacuums, hair dryers, etc., may harm the system.

3. What size batteries are in my Airstream?

Answer: Your Airstream is factory equipped with two BattleBorn 100Ah 12V LiFePO4 batteries.

4. Do you recommend using a surge protector when plugged into shore power?

Answer: Your Airstream is breaker protected. However, with the use of more personal electronic devices and the number of RV users in parks, added protection is always a plus.

5. What is the battery disconnect switch function?

Answer: It is a switch that disengages or engages the 12-volt power supply from the house batteries to everything but the LPG detector. The switch is used to cut power when the trailer is not being used or put into storage to preserve battery charge.

6. My power jack is not operating.

Answer:

- Check for 12-volt power.
- Verify the 30 amp spade fuse, located in the battery box, is not blown.
- Loosen and retighten the jack head to establish a ground to jack post.

The jack may be raised and lowered using the hand crank provided, and by following the instructions in this owner's manual.

7. What does the power converter do in my trailer?

Answer: The converter takes 120-volt AC shore power and turns it into 12-volt DC to keep batteries charged and power 12-volt items in your trailer.

Appliances

1. I am planning for a trip in my Airstream. How should I get the refrigerator cooled down?

Answer: Cooling time will vary with exterior temperatures and time of day. Start by pre-cooling your refrigerator at least 12 hours prior to loading your refrigerator. Always pre-cool food in your refrigerator or freezer to reduce cooling time. Don't pack food too tightly in compartment as to prevent circulation around food items. Normal refrigerator operating temperatures are 34 to 40ºF.

2. My air conditioner freezes up. What is the problem?

Answer: In high humidity conditions, the AC manufacturer recommends you operate your AC (manual mode) on the high fan setting and all vents should be open to have maximum air flow over the coils; this helps reduce icing. Also, dirty air conditioner filters can restrict air flow and cause the AC to ice up.

Plumbing

1. ***While parked at my site, do you recommend leaving my dump valves open?***

Answer: You cannot leave your black water valve open. This would cause a buildup inside the tank. You need to keep this closed until you are full or ready to leave. (Remember, use your no-fuss flush.)

2. ***How do I use my black water tank flush?***

Answer: First, empty your black water tank, then close your black water tank valve. Hook up your hose to the external hookup, run a couple minutes, and then open the valve. Do this a couple times until clear.

3. ***Do I need a water regulator?***

Answer: No, your Airstream is equipped with a built in regulator rated for 50 psi.

4. ***How do I get fresh water into my trailer?***

Answer: You can use the on board fresh water tank and 12-volt pump for your water supply when boon docking, or hook to an external water source via non-toxic water hose to exterior water inlet when parked at a campground.

5. ***What is the difference between a gray water tank and the black tank?***

Answer: The gray water tank holds water from shower and sink drains. The black water tank holds sewer water from the toilet.

Audio-Video

1. ***My TV reception is poor. What can I check?***

Answer: Verify your antenna booster is set to proper selection (On- for antenna and Off- for cable satellite). You should also make sure connections are tight on your TV.

Smart RV Connectivity

1. ***My mobile device cannot find the router***

Answer: Locate the Key in the front roof locker and ensure that it is turned “on”. If “on”, reset router by turning the key to the “off” position and then back “on” after 30 seconds

2. ***I forgot to write down my network name and password***

Answer: Within the Airstream Smart app, press the “more” tab then press “Network Settings” the app will display the primary network name, password and allow you to setup a guest network.

See quickstart and app for more FAQ’s and instructions on using Smart RV Controls.

Maintenance

1. Where can I find my trailer serial number?

Answer: A label is attached on the roadside sheet at the front side sheet seam. This label will also provide the inflation pressure of the tires and GVWR. The serial number of the trailer is also stamped on the street side of the A frame by the LPG tanks.

2. Awning suggestions:

Your Zip Dee awning is intended to provide shade. Your awning can be used in light rain conditions if front or rear is tilted to let water run off. Light winds should not affect awning use. If you are leaving your trailer for long periods or in threatening weather, the awning should be retracted. Visit the Zip Dee website for more information and instructional videos.

3. Cleaning the exterior of my Airstream. Suggestions:

Airstream recommends washing the trailer using a mild auto detergent safe for clear coated surfaces. Airstream also recommends waxing a minimum of twice a year. Walbernize Superseal is a product that was designed specifically for Airstream and provides good wax protection.

4. Can I use a nylon cover for my Airstream?

Answer: Airstream does not recommend using any type of cover. The installation and movement of the cover in windy conditions could scratch the clearcoat.

5. What type of attachments can I install on the rear of my Airstream?

Answer: Airstream only recommends the installation of a Fiamma bike rack (Airstream part number: 209397) on the rear of trailers.

6. My main door is hard to open, is this normal?

Answer: Your main door is designed differently than a flat surface door. The door is over bent in order to apply more pressure at the top and bottom of door for better sealing. Also, on uneven surfaces, the trailer can be in a slight twist that could affect closing. Make sure trailer is as level as possible.

7. What is a rubber torsion axle?

Answer: Your trailer has Dexter rubber torsion axles. This type axle has internal rubber cords that provide load carrying capacity verses leaf spring type axles.Reminder - never jack up trailer using rubber torsion axle tubes!

8. My windows are sticking and don't open easily; what is wrong?

Answer: Your windows have rubber seals around the edges which in extreme heat and dusty conditions can become sticky. You can help prevent this by regularly cleaning window seals with soapy water and applying a silicone product or Aerospace Protectant 303 to the seals.

9. The mattress in my Airstream is an odd shape, where can I buy sheets?

Answer: Airstream has a selection of sheets that can be purchased by calling (937) 596-6111 extension 7400 or 7418. Or visit our store website at www.airstreamsupplycompany.com.

NOTES

adventure, inspired by AIRSTREAM

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“Wherever you camp, wherever you stay, leave it cleaner than when you arrived. Not just as clean, but cleaner.” – Wally Byam

At Airstream, we take environmental awareness seriously, and we’ve made it our mission to Leave it Beautiful. That phrase is not just a marketing campaign – it’s a reminder that together we can make a difference. Leave it Beautiful is a call to action to pick up the litter, toss it in a can, and not simply step over it and pass it by. Your purchase of a new Airstream will open doors to new experiences and places you’ve only dreamed of – but it takes all of us working together to ensure those places remain pristine, accessible, and ready for the next adventure.

JOIN AIRSTREAM IN A COMMUNITY EFFORT TO

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