ENTEGRA
COACH®

ANTHEM



OWNER'S MANUAL



Hello, I'm Ken Walters, President and CEO of Jayco. I'd like to personally welcome you to the Jayco Family.

The Jayco Family of Companies is comprised of four brands - Jayco, Entegra Coach, Highland Ridge RV and Starcraft RV. These divisions have been manufacturing RVs for over 50 years on a tradition anchored in three pillars – Quality, Team and Family. If you are a first-time owner, thank you for choosing us. If you're a second, third or tenth owner, we are beyond pleased to have kept you in the family.

Our mission has remained unchanged since 1968 – design and build with innovation and safety at the forefront of all we do, and continue to be a leading manufacturer for both towable and
motorized RVs. From the first pop-up camper built on the Bontrager family farm, to the technology-packed lineup we build today, we always strive for better.

Over the next few years, we hope the memories made in your new RV are ones to remember. Thank you for taking us along for the ride and for letting us be a part of your stories.

Sincerely,

Ken Walters
President and CEO of Jayco

OUR PRODUCT IS OUR people











ASCEND COMMUNITY

Join our Jayco Family Ascend Community - Become a part of something bigger. Ascend is ever-growing and is made up of our Brand Ambassadors, owners in groups and forums and qualified suppliers that we partner with. Our goal is that everyone fits into this community in one way or another. If you own an RV of ours and would like to apply to be a Brand Ambassador, you can learn more here. If you are an owner and you want to meet others within this family, you will find groups and forums we recommend that you join. Our Ascend Community continues to expand year after year, giving all owners connections amongst the masses with people with similar interests. With over 50 brand ambassadors, hundreds of suppliers and thousands of owners, every one of our owners has an ally. Get connected with your tribe.

GET SOCIAL WITH US!

ASCEND COMMUNITY

SHARE YOUR STORY

FOLLOW US

CHANGE OF OWNERSHIP

ABOUT THIS MANUAL

This manual is a guide to operation of the features, equipment and controls in your recreational vehicle (RV). If you find components vary significantly from what is described, please contact your dealer to ensure you have the correct information. Nothing in this manual creates any warranty, either expressed or implied, nor does it cover every possible detail of equipment, standard or option, installed on or in your RV.

Information, illustrations and specifications in this manual reflect the most current available at the time of publication approval, are subject to change and not intended to indicate actual size.

This Owner's Manual and Customer Information Packet are to be considered permanent components of the RV. Keep them in your RV at all times for personal reference. If the RV is sold, they should remain with the RV for the next owner.

CUSTOMER INFORMATION PACKET

There are components that are excluded from the RV warranty, or are warranted separately by their own individual manufacturer's limited warranty. The Customer Information Packet contains the component manufacturer supplied manuals or information sheets, warranty cards and/or registrations. Consult this information for questions regarding operating, maintenance, servicing instructions and warranty coverage. It is important you complete and mail warranty cards and registrations within the prescribed time limits to avoid loss of warranty coverage.

WARNING: Read all instructions in this manual and component manufacturer supplied information before using your recreationl vehicle.

This manual has been provided by your recreational vehicle manufacturer for the sole purpose of providing instructions concerning the operation and maintenance of this recreational vehicle. Nothing in this manual creates any warranty, either expressed or implied.

The owner's failure to provide required service and/or maintenance could result in the loss of warranty. Please review the limited warranty and the limited warranties that apply to specific components offered with this vehicle.

Instructions are included in the manual for operating various components which are optional on some RV's or may not be available on your particular model. **"If equipped" does not indicate or imply that the component(s) or option(s) were at any time available, or can be retrofitted to your model.** In addition, the owner should refer to individual manufacturer's operating instructions contained in the customer information packet.

CHASSIS GUIDE

Throughout this manual, frequent reference is made to the vehicle's Chassis Guide. The Chassis Guide **thumbdrive** will be provided after registration and includes the owner's manual provided by the manufacturer of the chassis on which this motor home is built, warranty cards and/or registrations. It also includes pertinent information regarding the transmission, tires, etc. Consult the Chassis Guide for operating safety, maintenance, servicing instructions and warranty coverage. The Chassis Guide should be considered a permanent component of the vehicle and kept in the motorhome at all times for reference.

SAFETY ALERTS

Throughout this manual, certain items are labeled NOTE, NOTICE, CAUTION, WARNING, and DANGER. These signal words indicate precautions and potential situations, which if not avoided, may result in personal injury, property damage, or damage to your RV. These precautions are listed in the appropriate areas in this Owner's Manual, and in the information contained in the Warranty Packet, and on safety labels affixed to your RV. Read and follow them carefully.

National Safety Associations and organizations require many of the instructions listed. Always use the appropriate safety gear when servicing or maintaining your RV. Please call your dealer or our customer service representatives if you are unsure how to proceed.

NOTE
Gives helpful information.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

NOTICE
Indicates a potential situation that, if not avoided, may result in property damage or damage to your RV.

CAUTION
Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

WARNING
Indicates a potentially hazardous situation that, if not avoided, may result in death or serious injury.

DANGER
Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This alert information is limited to the most extreme situations.

WARNINGS AND OTHER LABELS

Informational labels will be attached at various locations on the interior and exterior of your RV. These labels are there for your guidance and protection, and should never be tampered with or removed.

SECTION 1: WARRANTY & SERVICE

REREATIONAL VEHICLE USE

Entegra recreational vehicles are designed for temporary living quarters for recreation, camping, and travel purposes as defined by the Recreational vehicle Industry Association (RVIA) bylaws.

These vehicles are not intended for full-time residence or commercial use, which includes using them as business assets like mobile offices or for lease or rental purposes.

Entegra reserves the right to discontinue or change specifications or design without notice and without obligation. Recreational vehicles built for sale in Canada may differ to conform to Canadian Codes.

OPTIONS AND EQUIPMENT

Entegra provides RVs in different sizes and models, resulting in slight variations in accessories and components. Some equipment in this manual may not apply to your specific RV.

Entegra reserves the right to modify specifications or designs without prior notice and may make enhancements or additions without obligation to retrofit existing products. Note that Canadian-sold RVs may differ to meet Canadian Codes.

DEALER RESPONSIBILITY

Your Entegra dealer is expected to fulfill the following responsibilities at the time of sale of the new recreational vehicle:

- Deliver your recreational vehicle in optimal condition, passing the dealer's pre-delivery inspection (PDI) and all systems tests.
- Provide orientation on the recreational vehicle, including its systems, components, and operation.
- Ensure you read and understand all warranty information, explaining any provisions that may not be clear.
- Provide you with the Warranty Packet and assist in completing OEM warranty cards or registrations, as well as locating required component model or serial numbers.
- Complete the online "Warranty Registration and Customer Delivery Form" within 10 days of delivery to activate applicable warranty coverage.

Please note that the Limited Warranty becomes active only after the dealer completes the online registration required by Entegra.

CUSTOMER RELATIONS

Entegra authorizes their dealers to handle warranty and repair decisions.

In special circumstances requiring assistance from Entegra, your dealer's service management will contact us on your behalf. Therefore, please communicate with your dealer's service management first.

When seeking assistance, please provide:

- Your name and current location.
- Contact phone number.
- 17-digit chassis Vehicle Identification Number (VIN) or 8-digit Serial.
- Date of purchase.

ALTERATIONS AND WARRANTIES

Modifications or installations made to the original equipment vehicle as distributed by Entegra are not covered by the Limited Warranty. The responsibility for warranties on the body or equipment, as well as any alterations and their effects on parts, components, systems, or assemblies installed by Entegra, lies solely with the special body company, assembler, equipment installer, or upfitter. The manufacturer is not accountable for the safety or quality of design features, materials, or workmanship of any alterations made by such suppliers.

EMERGENCY WARRANTY REPAIR

- **Find Authorized Dealer:** Call 800-283-8267 or visit (EntegraCoach.com/find-dealer/) to locate a nearby dealer to schedule an appointment.
- **Explore Alternatives:** If no dealer is nearby, seek referrals from campground staff or search online. Contact Customer Service or your selling dealer for help finding a repair facility.
- **Appointment and Billing:** Contact the repair facility to schedule and discuss billing.
- **Inspection and Authorization:** Have the RV inspected. The dealer or service center should contact Customer Service to discuss warranty coverage before repair.
- **Inspect Repair Work:** Thoroughly inspect the completed repair. If unsatisfied, communicate immediately with RV repair facility management. Ensure satisfaction before payment or departure.
- **Reimbursement Process:** Either the dealer, RV repair facility, or you must send an itemized repair bill and requested return parts via UPS (regular ground, prepaid freight) within 60 days of repair completion.

FIND AN ENTEGRA DEALER

Whether you're an experienced RV'er or new to the lifestyle, our extensive network of dealers, some with decades of experience, is ready to assist you. Scan the QR codes below to visit EntegraCoach.com/find-dealer/, and find a dealer near you.

AFTER HOURS ASSISTANCE

If no authorized Entegra dealer is nearby, contact your selling dealer for help. If your dealer is closed, inquire with campground staff or search online for an RV repair facility. Get the item repaired and contact Entegra Customer Service the next business day.

Failure to contact Customer Service, unauthorized or improper warranty repairs, or failure to return requested original parts may result in loss of reimbursements and/or warranty coverage.

ENTEGRA CONTACT INFO

Phone (toll-free): 800-283-8267
Phone (local): 574-825-0608
Fax (toll-free): 866-709-9139
Service Email: Service@EntegraCoach.com
Website: EntegraCoach.com

Mailing Address:

Entegra Coach
Customer Service
P.O. Box 460
903 S. Main Street
Middlebury, IN 46540

Shipping Address:

Entegra Coach
Customer Service
100 Bontrager Drive
Bldg 42 Door 4220
Middlebury, IN 46540

SUGGESTIONS FOR OBTAINING SERVICE

To ensure satisfactory service from your dealer, consider the following suggestions:

- **Contact Your Dealer Early:** Don't wait until you're ready to use your RV. Dealers may have limited immediate availability, especially on busy days like Mondays, Fridays, and before holidays.
- **Prepare for the Appointment:** Bring necessary paperwork, including your warranty guide and vehicle information. Understand that not all work may be covered by warranty, so discuss potential charges with service personnel.
- **Make a List:** Provide a written list of needed repairs to your dealer. Share any vehicle repair history and maintain a maintenance log, as this can help diagnose current issues.
- **Be Realistic:** If leaving a list with multiple items, discuss priorities and time constraints with service personnel. Consider scheduling additional appointments for unfinished work or parts needing ordering.
- **Respect Service Boundaries:** Understand that watching service may not be possible due to insurance restrictions.
- **Inspect Completed Work:** Upon vehicle pickup, inspect the service or repair job. Notify service personnel immediately of any issues. If immediate return for repair isn't possible, schedule an appointment promptly. Familiarize yourself with the repair shop's policies regarding notification of issues with repairs.

OBTAINING SERVICE AT OUR CUSTOMER SERVICE FACILITY

If your recreational vehicle requires service and your dealer recommends repairs at our Customer Service facility, the selling dealership will facilitate all appointments and communication.

OBTAINING SERVICE FOR SEPARATELY WARRANTIED ITEMS

Your selling dealer is responsible for servicing your recreational vehicle before delivery, and they are invested in your ongoing satisfaction. We recommend having your dealer perform all inspections, warranty, and maintenance services. Additionally, some dealers may serve as authorized service centers for products with separate warranties, which are excluded from the Limited Warranty.

PARTS AND ACCESSORIES

For replacement parts or accessories, please contact your authorized dealer or Entegra customer service for assistance. If the original part is unavailable, we will make every effort to offer a suitable substitute.



REPORTING SAFETY DEFECTS

In the United States: If you suspect a defect in your recreational vehicle that could lead to a crash, injury, or death, promptly notify both the National Highway Traffic Safety Administration (NHTSA) and our Customer Service Department. NHTSA may investigate and order recalls for safety defects found in groups of vehicles.

Please note that NHTSA cannot become involved in individual problems between you, your dealer or your vehicle manufacturer. For additional information, please refer to the NHTSA website at www.safercar.gov.

To contact NHTSA:

- Call DOT Vehicle Safety Hotline at 1-888-327-4236
- TTY: 1-800-424-9153 or 1-202-484-5238
- Mail:

  Office of Defects Investigations/CRD
  NVS-216
  1200 New Jersey Ave SE
  Washington, DC 205900

In Canada: Contact Transport Canada and our Customer Service Department immediately if you suspect a safety defect in your vehicle.

To contact Transport Canada:

- Phone: 1-800-DEFECTS or 1-819-420-4300
- Toll-free: 1-800-333-0510 (Canada)
- Mail:

  Transport Canada -ASFAD
  330 Sparks Street
  Ottawa, ON
  K1A 0N5

For additional information and online forms:

- Visit Transport Canada's website: www.tc.gc.ca/recalls
- NHTSA website: www.safercar.gov

AFTERMARKET ACCESSORIES

Installation of aftermarket accessory(s) may affect the Limited Warranty applicable to your recreational vehicle, damage your RV and/or cause a failure. Your RV manufacturer accepts no responsibility for results of work performed by unauthorized technicians.

If you wish to make changes, consult an authorized dealer or your RV manufacturer before contacting other resources. They may be able to refer you to a specialist for assistance.

WARNING

Do not add any type of rack or frame to any motorhome chassis or chassis part. The alteration to the length and/or weight distribution may result in unstable handling, be a safety hazard, or could damage the motorhome components.

CUSTOMER RESPONSIBILITY

It's crucial to thoroughly read and understand all instructions and precautions before operating your recreational vehicle, regardless of your experience level. We recommend familiarizing yourself with both the Owner's Manual and the information in your Warranty Guide.

As technology evolves, new improvements are constantly introduced to the RV industry, with each manufacturer employing its own unique manufacturing process.

Understand the Limited Warranty applicable to your recreational vehicle. Some components may be excluded or warranted separately by their individual manufacturer's limited warranty (refer to the Warranty Packet).

As the new owner, you're responsible for regular and proper maintenance as outlined in this guide and the OEM manuals. Consistent maintenance helps prevent issues arising from neglect, which may not be covered by the limited warranty. It's your obligation to return your vehicle to your dealer for repairs and service.

Change of Ownership

Federal record-keeping laws mandate maintaining owner files for our products. Please use the QR code to fill out your online registration form for new owners or for a change of ownership. Your cooperation in completing this form is greatly appreciated.

RV Warranty Dispute Program

While we aim for customer satisfaction and encourage you to reach out to our Customer Service Department for any queries or concerns, we understand that disputes may arise regarding warranty obligations. If you believe we have not met our warranty obligations, you may be eligible for a no-cost, voluntary, and independent RV Warranty Dispute Program.

CALIFORNIA CONSUMERS: To comply with California's Song Beverly Consumer Warranty Act pre-litigation notice requirements (described at California Code of Civil Procedure Section 871.24), written notice can be sent to Entegra, either by email sent to the following email address:CaliforniaPreSuitNotice@Jayco.com, or by certified or registered mail, return receipt requested, sent to the following address: Jayco, Inc., c/o California Pre-suit Notice 903 S Main St, Middlebury, IN 46540.

CONSUMIDORES DE CALIFORNIA: Para cumplir con los requisitos de notificación previa al litigio de la Ley de Garantía del Consumidor Song Beverly de California (descritos en la Sección 871.24 del Código de Procedimiento Civil de California), se puede enviar una notificación por escrito a Entegra, ya sea por correo electrónico a la siguiente dirección de correo electrónico:CaliforniaPreSuitNotice@Jayco.com, o por correo certificado o registrado, con acuse de recibo, enviado a la siguiente dirección: Jayco, Inc., c/o California Pre-suit Notice 903 S Main St, Middlebury, IN 46540.

For further details, please visit the DRP-RV website:https://www.demarsassociates.com/rv-warranty-dispute-program

NOTICE TO CALIFORNIA CUSTOMERS ONLY: Jayco, Inc. has elected to follow the procedures described in Cal. Civ. Proc. Code § 871.20 et seq., regarding pre-litigation notice requirements for consumer claims brought pursuant to the Song Beverly Consumer Warranty Act.

2026 ENTEGRA COACH MOTORIZED LIMITED WARRANTY

WHAT AND WHO IS COVERED: This limited warranty covers: (i) the motorhome when it is used only for its intended purpose of recreational travel and camping; (ii) only the first retail purchaser and any second retail owner; (iii) only those portions of the Motorhome not excluded under the section "What is Not Covered"; (iv) the motorhome only when sold by an authorized dealership; and, (v) only defects in workmanship performed and/or materials used to manufacture or assemble those portions of the Motorhome not excluded under the section "what is Not Covered". The Limited Warranty is not transferable beyond the second retail owner. The second retail owner's warranty coverage period shall be the unexpired balance of the warranty coverage period the first retail owner received. The second retail owner should complete and submit a Product Registration that is within the Owner's Manual.

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.

This Limited Warranty provides the sole remedy, whether in contract, tort, or otherwise, for any defect in the Motorhome that does not result in bodily injury or damage to property other than the Motorhome. If any term or condition in this Limited Warranty conflicts with your state's Uniform Commercial Code ("UCC"), as interpreted by courts within your state, the provisions in your state's UCC are varied as allowed for by UCC 1-302. UCC 1-302 provides that common law contract actions are displaced (preempted) if the UCC provides a cause of action or remedy. After you have accepted the goods (the Motorhome), the UCC provides that the remedy available is exclusively an action for breach of warranty.

COVERAGE TIME: The duration of this warranty is 2 years after the first retail owner takes delivery of the Motorhome from an authorized dealer OR 24,000 miles of use, whichever occurs first. If the dealer places the Motorhome in service before retail sale, the coverage period is 2 years after the dealer first placed the Entegra in service OR 24,000 miles of use, whichever occurs first, ANY ACTION FOR BREACH OF THIS LIMITED WARRANTY OR FOR ANY IMPLIED WARRANTY MUST BE COMMENCED NO MORE THAN 26 MONTHS AFTER THE BREACH. If the Motorhome is not of the current or prior model year when the first retail owner takes delivery, the limited warranty ends 90 days after the first retail owner takes delivery of the Motorhome OR after the odometer reaches 5,000 miles, whichever occurs first. ANY ACTION FOR BREACH OF THIS REDUCED LIMITED WARRANTY OR FOR ANY IMPLIED WARRANTY MUST BE COMMENCED NO MORE THAN 15 MONTHS AFTER THE BREACH.

Unless prohibited by state or provincial law, repairs do not extend the time when you must commence an action for breach of warranty and shall not extend the warranty coverage period. This reduction in time may not apply to you because some states and provinces do not allow the reduction of the time to commence an action for breach of warranty. Any performance of repairs after the warranty coverage ends and any performance of repairs to those portions of your motorhome excluded from coverage are "good will" repairs, whether or not Entegra was aware of the any such coverage lapse or warranty exclusion at the time of repairs. Such "good will" repairs do not alter the express terms of this limited warranty or extend the warranty coverage periods or the limitation period in this paragraph. Entegra is not required to notify you if authorized repairs are considered "good will" by Entegra. You should expect the need for warranty repairs. Entegra may use new and/or remanufactured parts and/or components to complete a repair. Warranty repairs may have been performed to defects and/or damage to interior or exterior surfaces, trim, upholstery and other appearance items at the factory during assembly OR at the selling dealership after delivery of the Motorhome to your selling dealer - Repairs to defects and damage are performed at the factory or by the selling dealer during the inspection process. If you discover a defect or damage to the motorhome when you take delivery of your motorhome, you MUST notify your dealer OR Entegra within 10 days of the date of purchase to have defect or damage repaired at no cost to you. Minor adjustments will be performed, free of charge, by the dealer within 90 days of your purchase; thereafter, such adjustments are your exclusive responsibility as normal maintenance.

REPAIR REMEDY: Entegra's sole and exclusive obligation under this Limited Warranty is to repair, or pay an authorized dealer to repair, any covered defects discovered within the warranty coverage period if, and only if, the following three conditions are met: (1) within 10 days of your discovery of a defect you notify Entegra or an authorized dealership of the defect; AND (2) you deliver your motorhome to Entegra or an authorized dealership (at your expense), provided, however, that at Entegra's election it may require you to deliver the motorhome to its facilities in Indiana or to another authorized service center or dealership for certain repairs; AND (3) you identify the specific defect with the motorhome to Entegra or its authorized dealer as reflected in the work authorization or repair order associated with the service visit.

Due to the seasonal nature of recreational vehicle use, your motorhome may be stored at Entegra or an authorized dealer, at no cost to you, for an extended period of time before or after any warranty repairs are performed. Unless warranty repairs are actively being performed on your motorhome, your motorhome is available for use even while it is stored at Entegra or an authorized dealer—such storage time is not considered time that your motorhome is out of service and unavailable to use. Should you desire to use your motorhome while it is being stored at Entegra or an authorized dealer awaiting warranty repairs, please contact Entegra at 800-283-8267. Similarly, should you encounter any difficulty with a dealer in getting repairs under this Limited Warranty or in getting your motorhome back from a dealer, please contact Entegra at 800-283-8267.

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 Entegra pay an independent service shop of your choice to perform repairs to the defect OR have Entegra pay diminished value damages if the defect is incurable. You agree to provide notice to Entegra of the independent service shop you select to perform the repairs to the defect within 14 days of requesting performance of the repairs. You also agree to exercise good faith in seeking to exhaust the back-up remedy. If the independent service shop you ask to perform the back-up remedy is unwilling to perform the repairs, you agree to have the Entegra service center in Indiana perform the back-up remedy. You must exhaust both the repair remedy and the back-up remedy AND these remedies must fail to fulfill their essential purpose before you can seek any other remedies. If diminished value damages are sought by you, both you and Entegra (or the person providing the diminished

value opinion) MUST, with specificity, disclose to the judge or jury how the diminished value figure was arrived at so the accuracy can be verified through replication. If the diminished value figure cannot be verified through replication, you and Entegra agree that any such diminished value opinion will not be used to determine the remedy for breach of warranty. THIS LIMITED WARRANTY IS NOT A WARRANTY THAT PROMISES OR EXTENDS TO FUTURE PERFORMANCE BECAUSE IT DOES NOT MAKE A REPRESENTATION ON HOW YOUR MOTORHOME WILL PERFORM IN THE FUTURE BUT REPRESENTS ONLY WHAT THE REMEDY WILL BE IF A DEFECT EXISTS.

LIMITATION AND DISCLAIMER OF IMPIED WARRANTIES: UNLESS PROHIBITED BY LAW, THE DURATION OF THE IMPLIED WARRANTY OF MERCHANTABILITY, WHICH ARISES BY OPERATION OF STATE LAW, IS LIMITED TO: (i) THE DURATION OF THIS LIMITED WARRANTY; (ii) THE SCOPE OF COVERAGE THIS LIMITED WARRANTY PROVIDES; (iii) DEFECTS EXISTING AT THE TIME OF SALE THAT MANIFESTED THEMSELVES AND SURFACED DURING THE IMPLIED WARRANTY COVERAGE PERIOD; AND (IV) DEFECTS DISCOVERED AND REPORTED WITHIN THE DURATION OF THE IMPLIED WARRANTY OF MERCHANTABILITY. THERE ARE NO EXPRESS WARRANTIES OR ANY IMPLIED WARRANTIES ON THOSE PORTIONS OF THE MOTORHOME EXCLUDED FROM COVERAGE. NOTWITHSTANDING THE ABOVE PROVISIONS, ENTEGRA EXPRESSLY DISCLAIMS AND EXCLUDES ANY AND ALL IMPLIED WARRANTIES AND CONDITIONS, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, WHEN THE MOTORHOME IS USED FOR COMMERICAL, RENTAL OR BUSINESS USE AND WHEN THE MOTORHOME IS SOLD IN CANADA. There is no warranty of any nature made by Entegra beyond that contained in this Limited Warranty. No person has authority to enlarge, amend or modify this Limited Warranty. The dealer is NOT Entegra's agent. Entegra 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 and provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES: THE FIRST RETAIL BUYER AND ANY SUBSEQUENT OWNER, ALONG WITH ANY PERSON WHO IS AN INTENDED OR UNINTENDED USER OR BENEFICIARY OF THE MOTORHOME, ARE NOT ENTITLED TO RECOVER ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES CAUSED BY A DEFECT IN THE MOTORHOME. BY WAY OF EXAMPLE, CONSEQUENTIAL DAMAGES INCLUDE FUEL AND TRANSPORTATION EXPENSES TO DELIVER THE MOTORHOME TO A SERVICING DEALER, HOTEL ROOMS, LOST WAGES AND MOISTURE DAMAGE SUCH AS MOLD AND MILDEW AS WELL AS RUST AND CORROSION. THE EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT DEPENDENT UPON WARRANTY REMEDIES SUCCESSSFULLY CURING ANY DEFECT; THE EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES SHALL SURVIVE ANY FAILURE OF THE LIMITED WARRANTY REMEDIES FULFILLING THEIR PURPOSE. Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above exclusions may not apply to you.

HOW TO GET SERVICE: To obtain warranty service the owner must: (i) Notify Entegra or an authorized Entegra dealer, within the applicable warranty coverage period designated above, that you are making a warranty claim under; (ii) Provide the notification mentioned in (1), above, within ten (10) days of the discovery of a defect in material or workmanship; and (iii) Promptly schedule an appointment with and take the Motorhome to Entegra or an independent, authorized dealer. If you need assistance, you may contact Entegra, at 903 South Main Street, P. O. Box 460, Middlebury, Indiana 46540, Attn: Customer Service, (800) 283-8267.

WHAT IS NOT COVERED: Equipment and appliances installed after the Motorhome is assembled by Entegra; Motorhomes used for any rental, business and commercial purpose - If the Motorhome owner or user files a tax form claiming a business or commercial tax benefit related to the Motorhome, or if the RV is purchased, registered or titled in the name of any business association it shall be irrefutable that the Motorhome has been used for rental, commercial or business purposes; any Motorhome sold or used outside of the United States, U.S. Territories or Canada; any Motorhome not used solely for recreational travel and camping; any Motorhome purchased through auction or wholesale; any Motorhome purchased from a dealer that is not an authorized dealer; normal wear, tear or usage, such as tears, punctures, soiling, mildew, rust, fading, or discoloration of exterior plastic or fiberglass, or soft goods, such as upholstery, drapes, carpet, vinyl, screens, cushions, mattresses and fabrics; the effects of condensation or moisture from condensation inside the RV; mold or any damage caused by mold to the interior or exterior; imperfections that do not affect the use of the Motorhome for its intended purpose of recreational use; items working as designed but that you are unhappy with; damage caused by misuse, mishandling, neglect, abuse, failure to maintain the Motorhome in accordance with the owner's manual, or failure to perform other routine maintenance such as inspections, lubricating, adjustments, tightening of screws and fittings, tightening of lug nuts, sealing, rotating tires; damage caused by accident, whether or not foreseeable; damage caused by weather or corrosion due to the environment; damage caused by theft, vandalism or fire; damage caused by tire wear or tire failure; defacing, scratches, dents, chips on any surface or fabric of the Motorhome; damage caused by infestation by insects or animals; damage caused by off road use, overloading the Motorhome or any of its components or parts; wheel alignment or adjustments to axles caused by improper maintenance, loading or damage from road hazards, including off road travel; wheel damage or balancing.

Also, this limited warranty does not cover the leveling jacks/system and does not cover any material, component, system or part that is separately warranted by another entity, including, but not limited to: the automotive chassis, (which includes the power train, steering, handling, braking, wheel balance, muffler, tires, tubes, batteries and gauges), generator, awning, inverter, converter, microwave, television, DVD/CD player, radio, speakers, television, refrigerator, range, water heater, water pump, stove, carbon monoxide detector, smoke detector, propane detector, furnace or any air conditioner. The written warranty, if any, provided by the manufacturer of the component part or appliance is the direct and exclusive responsibility of that manufacturer).

EVENTS DISCHARGING ENTEGRA FROM OBLIGATION UNDER WARRANTY: The following, by way of example, discharge Entegra from any express or implied warranty obligation to repair or replace any defect: any rental, business or commercial use or purchase of the Motorhome; any Motorhome purchased or sold outside of, or used outside of, the United States, U.S. Territories or

Canada; any Motorhome purchased through an auction or wholesale or by a non-authorized dealer; owner neglect; failure to provide routine maintenance; alteration; off road use; collision or accident, whether or not foreseeable; acts of weather; damage or corrosion caused by the environment, theft, vandalism, fire, explosions, or overloading.

LEGAL REMEDIES: EXCLUSIVE JURISDICTION FOR DECIDING LEGAL DISPUTES RELATING TO ALLEGED BREACH OF WARRANTY, OR ANY REPRESENTATIONS OF ANY NATURE, MUST BE FILED IN THE COURTS WITHIN THE STATE OF MANUFACTURE, WHICH IS INDIANA. THIS LIMITED WARRANTY SHALL BE INTERPRETED AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF INDIANA. UNLESS PROHIBITED BY STATE LAW, ALL CLAIMS, CONTROVERSIES AND CAUSES OF ACTION ARISING OUT OF OR RELATING TO THIS LIMITED WARRANTY, WHETHER SOUNDING IN CONTRACT, TORT, OR STATUTE, SHALL BE GOVERNED BY THE LAWS OF THE STATE OF INDIANA, 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. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE AND PROVINCE TO PROVINCE. ALL ACTIONS OF ANY KIND RELATING TO THE MOTORHOME SHALL BE DECIDED BY A JUDGE RATHER THAN BY A JURY. The jury waiver and choice of law clause, as well as limitations and disclaimers of warranties, may not apply to you if applicable state or provincial law prohibits a waiver of a jury trial or enforcement of a choice of law clause resulting in a waiver of a non-waivable statutory cause of action. For example, the State of California does not allow for the waiver of the Song Beverly Consumer Warranty Act and/or the right to a jury trial.

CALIFORNIA CONSUMERS: To comply with California's Song Beverly Consumer Warranty Act pre-litigation notice requirements (described at California Code of Civil Procedure Section 871.24), written notice can be sent to Entegra, either by email sent to the following email address:CaliforniaPreSuitNotice@Jayco.com, or by certified or registered mail, return receipt requested, sent to the following address: Jayco, Inc., c/o California Pre-suit Notice 903 S Main St, Middlebury, IN 46540.

CONSUMIDORES DE CALIFORNIA: Para cumplir con los requisitos de notificación previa al litigio de la Ley de Garantía del Consumidor Song Beverly de California (descritos en la Sección 871.24 del Código de Procedimiento Civil de California), se puede enviar una notificación por escrito a Entegra, ya sea por correo electrónico a la siguiente dirección de correo electrónico:CaliforniaPreSuitNotice@Jayco.com, o por correo certificado o registrado, con acuse de recibo, enviado a la siguiente dirección: Jayco, Inc., c/o California Pre-suit Notice 903 S Main St, Middlebury, IN 46540.

WARRANTY REGISTRATIONS: Your warranty registrations should be completed and delivered to the manufacturers of component parts. The selling dealership will assist you in completing and filling out the Entegra product warranty registration. Upon receipt of the Warranty Registration by Entegra, your Warranty will be registered. The failure to submit this warranty registration to Entegra will not affect your rights under this limited warranty as long as you can present proof of purchase, however, it can cause delays in obtaining the remedies offered by this limited warranty, and it may adversely affect any servicing facility's ability to provide proper repairs and/or part replacement. Note, tender and acceptance of a warranty registration does not alter the express terms of this limited warranty or any of its exclusions.

CARE AND MAINTENANCE: It is the Owner's responsibility to perform proper care and maintenance of the Motorhome and to assure correct load distribution. For details regarding this, please see your owner's manuals. Please review all manuals and contact your selling dealership, Entegra or supplier of the component part if you have questions.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

ENTEGRA COACH

903 S. Main Street * P. O. Box 460 * Middlebury, IN 46540

Telephone: 800-283-8267

2026 ENTEGRA COACH MOTORIZED STRUCTURAL LIMITED

WHAT AND WHO IS COVERED: This limited warranty covers: (i) the structure of the motorhome when it is used only for its intended purpose of recreational travel and camping; (ii) only the first retail purchaser and any second retail owner of the Motorhome; (iii) only defects in workmanship and/or materials used to manufacture or assemble the structure of the Motorhome; (iii) the structure of the motorhome only when the Motorhome is sold by an authorized dealership; and, (iv) only the steel or aluminum frame structure for the sidewalls (excluding slide outs), roof and rear and front walls. The Structural Limited Warranty is not transferable beyond the second retail owner. The second retail owner's warranty coverage period shall be the unexpired balance of the warranty coverage period the first retail owner received. The second retail owner should complete and submit a Product Registration that is within the Owner's Manual.

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.

This Limited Warranty provides the sole remedy, whether in contract, tort, or otherwise, for any defect in the Motorhome that does not result in bodily injury or damage to property other than the Motorhome. If any term or condition in this Limited Warranty conflicts with your state's Uniform Commercial Code ("UCC"), as interpreted by courts within your state, the provisions in your state's UCC are varied as allowed for by UCC 1-302. UCC 1-302 provides that common law contract actions are displaced (preempted) if the UCC provides a cause of action or remedy. After you have accepted the goods (the Motorhome), the UCC provides that the remedy available is exclusively an action for breach of warranty.

COVERAGE TIME: The duration of this Structural limited warranty is 5 years after the first retail owner takes delivery of the Motorhome from an authorized dealer. If the dealer places the Motorhome in service before retail sale, the coverage period is 5 years after the dealer first placed the Entegra in service. Unless prohibited by state or provincial law, repairs do not extend the time when you must commence an action for breach of warranty and shall not extend the warranty coverage period. This reduction in time may not apply to you because some states and provinces do not allow the reduction of the time to commence an action for breach of warranty. Any performance of repairs after the warranty coverage ends and any performance of repairs to those portions of your motorhome excluded from coverage are "good will" repairs, whether or not Entegra was aware of the any such coverage lapse or warranty exclusion at the time of repairs. Such "good will" repairs do not alter the express terms of this limited warranty or extend the warranty coverage periods or the limitation period in this paragraph. Entegra is not required to notify you if authorized repairs are considered "good will" by Entegra. You should expect the need for warranty repairs. Entegra may use new and/or remanufactured parts and/or components to complete a repair.

REPAIR REMEDY: Entegra's sole and exclusive obligation is to repair any covered defect discovered within the warranty coverage period provided: (1) you notify Entegra or an authorized dealer within 10 days of your discovery of a defect; AND (2) you deliver the Motorhome to Entegra 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 Entegra pay an independent service shop of your choice to perform repairs to the defect OR have Entegra pay diminished value damages if the defect is incurable. You agree to provide notice to Entegra of the independent service shop you select to perform the repairs to the defect within 14 days of requesting performance of the repairs. You also agree to exercise good faith in seeking to exhaust the back-up remedy. If the independent service shop you ask to perform the back-up remedy is unwilling to perform the repairs, you agree to have the Entegra service center in Indiana perform the back-up remedy. You must exhaust both the repair remedy and the back-up remedy AND these remedies must fail to fulfill their essential purpose before you can seek any other remedies. If diminished value damages are sought by you, both you and Entegra (or the person providing the diminished value opinion) MUST, with specificity, disclose to the judge or jury how the diminished value figure was arrived at so the accuracy can be verified through replication. If the diminished value figure cannot be verified through replication, you and Entegra agree that any such diminished value opinion will not be used to determine the remedy for breach of warranty.

THIS LIMITED WARRANTY IS NOT A WARRANTY THAT PROMISES OR EXTENDS TO FUTURE PERFORMANCE BECAUSE IT DOES NOT MAKE A REPRESENTATION ON HOW YOUR MOTORHOME WILL PERFORM IN THE FUTURE BUT REPRESENTS ONLY WHAT THE REMEDY WILL BE IF A DEFECT EXISTS.

LIMITATION AND DISCLAIMER OF IMPIED WARRANTIES: UNLESS PROHIBITED BY LAW, THE DURATION OF THE IMPLIED WARRANTY OF MERCHANTABILITY, WHICH ARISES BY OPERATION OF STATE LAW, IS LIMITED TO: (i) THE SCOPE OF COVERAGE THIS LIMITED WARRANTY PROVIDES; (ii) DEFECTS EXISTING AT THE TIME OF SALE THAT MANIFESTED THEMSELVES AND SURFACED DURING THE IMPLIED WARRANTY COVERAGE PERIOD; AND (ii) DEFECTS DISCOVERED AND REPORTED WITHIN THE DURATION OF THE IMPLIED WARRANTY OF MERCHANTABILITY. THERE ARE NO EXPRESS WARRANTIES OR ANY IMPLIED WARRANTIES ON THOSE PORTIONS OF THE MOTORHOME EXCLUDED FROM COVERAGE. NOTWITHSTANDING THE ABOVE PROVISIONS, ENTEGRA EXPRESSLY DISCLAIMS AND EXCLUDES ANY AND ALL IMPLIED WARRANTIES AND CONDITIONS, STATUTORY OR OTHERWISE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY, WHEN THE MOTORHOME IS USED FOR COMMERICAL, RENTAL OR BUSINESS USE AND WHEN THE MOTORHOME IS SOLD IN CANADA.

There is no warranty of any nature made by Entegra beyond that contained in this Limited Warranty. No person has authority to enlarge, amend or modify this Limited Warranty. The dealer is NOT Entegra's agent. Entegra 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 and provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES: THE FIRST RETAIL BUYER AND ANY SUBSEQUENT OWNER, ALONG WITH ANY PERSON WHO IS AN INTENDED OR UNINTENDED USER OR BENEFICIARY OF THE MOTORHOME, ARE NOT ENTITLED TO RECOVER ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES CAUSED BY A DEFECT IN THE MOTORHOME. BY WAY OF EXAMPLE, CONSEQUENTIAL DAMAGES INCLUDE FUEL AND TRANSPORTATION EXPENSES TO DELIVER THE MOTORHOME TO A SERVICING DEALER, HOTEL ROOMS AND LOST WAGES. THE EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES ARE NOT DEPENDENT UPON WARRANTY REMEDIES SUCCESSSFULLY CURING ANY DEFECT; THE EXCLUSION OF CONSEQUENTIAL AND INCIDENTAL DAMAGES SHALL SURVIVE ANY FAILURE OF THE LIMITED WARRANTY REMEDIES FULFILLING THEIR PURPOSE. Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above exclusions may not apply to you.

HOW TO GET SERVICE: To obtain warranty service the owner must: (i) Notify Entegra or an authorized Entegra dealer, within the applicable warranty coverage period designated above, that you are making a warranty claim under; (ii) Provide the notification mentioned in (1), above, within ten (10) days of the discovery of a defect in material or workmanship; and (iii) Promptly schedule an appointment with and take the Motorhome to Entegra or an independent, authorized dealer. If you need assistance, you may contact Entegra, at 903 South Main Street, P. O. Box 460, Middlebury, Indiana 46540, Attn: Customer Service, (800) 283-8267.

WHAT IS NOT COVERED: Motorhomes used for any rental, business and commercial purpose - If the Motorhome owner or user files a tax form claiming a business or commercial tax benefit related to the Motorhome, or if the RV is purchased, registered or titled in the name of any business association it shall be irrefutable that the Motorhome has been used for rental, commercial or business purposes; any Motorhome sold or used outside of the United States, U.S. Territories or Canada; any Motorhome not used solely for recreational travel and camping; any Motorhome purchased through auction or wholesale; any Motorhome purchased from a dealer

that is not an authorized dealer; damage caused by weather or corrosion due to the environment; damage caused by theft, vandalism or fire; damage caused by off road use; and, damage caused by overloading the Motorhome.

Component part and appliance manufacturers may issue limited warranties covering those portions of the motorhome not covered by the Limited Warranty issued by Entegra. To learn more about what specific components and appliances are not covered by this Limited Warranty, please contact Entegra directly or review the materials that came with the motorhome.

EVENTS DISCHARGING ENTEGRA FROM OBLIGATION UNDER WARRANTY: The following, by way of example, discharge Entegra from any express or implied warranty obligation to repair or replace any defect: any rental, business or commercial use or purchase of the Motorhome; any Motorhome purchased or sold outside of, or used outside of, the United States, U.S. Territories or Canada; any Motorhome purchased through an auction or wholesale or by a non-authorized dealer; owner neglect; failure to provide routine maintenance; alteration; off road use; collision or accident, whether or not foreseeable; acts of weather; damage or corrosion caused by the environment, theft, vandalism, fire, explosions, or overloading.

LEGAL REMEDIES: EXCLUSIVE JURISDICTION FOR DECIDING LEGAL DISPUTES RELATING TO ALLEGED BREACH OF WARRANTY, OR ANY REPRESENTATIONS OF ANY NATURE, MUST BE FILED IN THE COURTS WITHIN THE STATE OF MANUFACTURE, WHICH IS INDIANA.THIS LIMITED WARRANTY SHALL BE INTERPRETED AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF INDIANA. UNLESS PROHIBITED BY STATE LAW, ALL CLAIMS, CONTROVERSIES AND CAUSES OF ACTION ARISING OUT OF OR RELATING TO THIS LIMITED WARRANTY, WHETHER SOUNDING IN CONTRACT, TORT, OR STATUTE, SHALL BE GOVERNED BY THE LAWS OF THE STATE OF INDIANA, 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. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE AND PROVINCE TO PROVINCE. ALL ACTIONS OF ANY KIND RELATING TO THE MOTORHOME SHALL BE DECIDED BY A JUDGE RATHER THAN BY A JURY.

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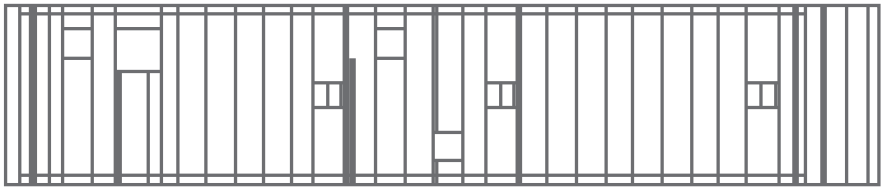
CONSUMIDORES DE CALIFORNIA: Para cumplir con los requisitos de notificación previa al litigio de la Ley de Garantía del Consumidor Song Beverly de California (descritos en la Sección 871.24 del Código de Procedimiento Civil de California), se puede enviar una notificación por escrito a Entegra, ya sea por correo electrónico a la siguiente dirección de correo electrónico:CaliforniaPreSuitNotice@Jayco.com, o por correo certificado o registrado, con acuse de recibo, enviado a la siguiente dirección: Jayco, Inc., c/o California Pre-suit Notice 903 S Main St, Middlebury, IN 46540.

ENTEGRA COACH

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Roof Frame Structure Depiction



Floor Frame Structure Depiction



Side Wall Structure Depiction



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SECTION 2: OCCUPANT SAFETY



SECONDARY MEANS OF ESCAPE (EXIT WINDOW)

⚠ CAUTION ⚠ *See page 18*

Your RV has a window(s) as a secondary exit. Identified by red latches and a label, it allows quick escape if the main door is inaccessible.



Exit Window Label

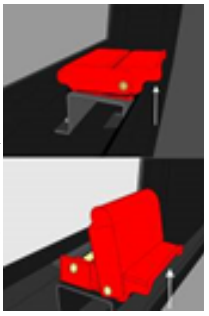
Keep the EXIT label(s) intact.

Ensure the exit window isn't obstructed when parked. Check the ground below for a safe escape route.

Practice opening the window before emergencies, and ensure all occupants know how.

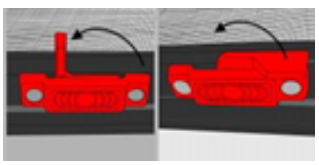
Your RV may be equipped with one of the following exit window styles:

Flip Latch Style (2 Per Window)



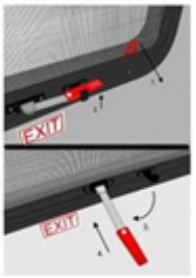
1. Push up on the front lip of the latch to unfold it.
2. Push up on the front lip again to unhook the latch from the window.
3. Once both latches are released, push out on the window, hinged at the top, to exit the RV.
4. The screen does not need to be removed.

Slider Window Latch Style



1. Pull the lever down to unlock the window.
2. Slide the window to the right to open and exit the RV.
3. The screen does not need to be removed.

Lever Style Latch



1. Remove the screen by pulling the red tab (upper right arrow).
2. Pull the lever out from the sash clamps.
3. Swing the lever out so it is positioned straight out from the window.
4. Push the lever (and window) out to open.
5. Exit the RV.

FIRE SAFETY

⚠ DANGER ⚠ *See page 18*

If a fire does start, follow these basic safety rules:

1. Evacuate everyone from the RV immediately and call 911.
2. Make sure everyone is accounted for.
3. Get clear of the RV and allow the fire department to handle the emergency.

FIRE EXTINGUISHER

⚠ DANGER ⚠ **⚠ WARNING ⚠** *See page 18 & See page 18*

A dry chemical fire extinguisher is installed near the entrance door. It's designed for tackling small fires of Class B or C type (flammable liquids and electrical).

We recommend familiarizing yourself with the operating instructions displayed on the side of the fire extinguisher

For detailed guidance on fire extinguisher use, consult the user's manual included in your customer information packet.

SMOKE ALARM

⚠ WARNING ⚠ *See page 18*

For your safety, a smoke alarm is installed in every RV. Most detectors are powered by a 9-volt battery, which should be inspected and replaced as necessary. Ensure the smoke alarm remains free of dust.

For detailed instructions on safety, testing, troubleshooting, maintenance, and smoke alarm expiration and replacement, refer to the manufacturer's user guide in your customer information packet.

COMBINATION CARBON MONOXIDE / PROPANE ALARM

⚠ DANGER ⚠ **⚠ WARNING ⚠** *See page 18 & See page 18*

Your RV is equipped with a combination carbon monoxide (CO) / propane alarm specifically designed for RV use. This alarm is wired directly to the 12-volt electrical system, powered continuously by the RV batteries. If the battery cable is disconnected, the alarm will not function.



Carbon monoxide/propane alarm (alarm may vary from model shown)

It's essential to read, understand, and adhere to the owner's information provided by the manufacturer of the combination CO/propane alarm. This includes details regarding the limited life of the alarm.

Carbon monoxide (CO) is a silent and deadly gas. It's odorless, colorless, and tasteless, making it difficult to detect. Symptoms of CO poisoning should be discussed with all household members:

- Mild exposure: Slight headache, nausea, vomiting, fatigue (similar to flu-like symptoms).
- Medium exposure: Severe headaches, drowsiness, confusion, rapid heart rate.
- Extreme exposure: Unconsciousness, convulsions, cardiac and respiratory failure, death.

Your combination carbon monoxide/propane alarm is designed to detect toxic fumes resulting from incomplete combustion, such as those from appliances, furnaces, fireplaces, and auto exhaust.

Maintenance

- Vacuum the alarm cover annually. Clean it by hand using a damp cloth and dry with a soft cloth. Avoid spraying cleaning agents or waxes on the alarm's front panel, as this may damage the sensor.
- Do not paint the face of the alarm.
- Refer to the manufacturer's user manual for additional information on functions and alarm testing.
- Test the alarm after storage, before each trip, and at least once per week during use.

COLD WEATHER USAGE

When operating in freezing temperatures:

Fresh Water and Drainage Systems: Take precautions to prevent freeze-ups.

Propane Gas: Ensure sufficient power for the propane gas regulator to prevent freeze-ups. Note that increased furnace operation will raise battery draw and propane gas consumption.

Condensation Control: Ventilate or use a dehumidifier during cool weather to reduce condensation.

Extrusions Check: Before operation, inspect outside extrusions (compartment doors, locks, slide outs, windows, vents, etc.) for frozen moisture to prevent damage.

FORMALDEHYDE

Certain components in the RV contain formaldehyde-based adhesives, which may emit formaldehyde fumes into the air for an undetermined duration. Individuals allergic to formaldehyde gas fumes may experience irritation to the eyes, ears, nose, and throat. Prolonged closure of the RV may also impact indoor air quality.

To assist in dissipating formaldehyde fumes:

- Ventilate the RV by opening all windows.
- Use a fan to circulate air within the RV.

This label is located inside the vehicle near the entry door. **The label should be left permanently affixed to the recreational vehicle.**



CONDENSATION

⚠ WARNING ⚠ *See page 18*

Condensation is a natural phenomenon. The amount of condensation will vary with climate conditions, particularly the relative humidity. Condensation occurs because there is water vapor present in the air. When the temperature reaches the "dew point" the water vapor in the air condenses and changes to a liquid form.

Proper ventilation or the use of a dehumidifier (customer supplied) will assist in controlling the condensation. Suggestions to eliminate warm moist air:

- Crack open windows and roof vents to allow warm moist air to escape.
- Open the bath roof vent (if so equipped) approximately ½" when showering.
- Use the range hood fan (if so equipped) when cooking or washing dishes.
- Avoid hanging wet towels (or clothes) inside the recreational vehicle to dry.
- If found in cabinets or closets, open the doors slightly to provide ventilation.

EXTENDED OR FULL TIME USAGE

⚠ CAUTION ⚠ *See page 18*

Unless labeled for full-time use, your RV isn't designed for continuous living or permanent residence. Doing so may lead to accelerated wear and damage to its components.

CAUTION

OCCUPANT SAFETY CAUTION

SECONDARY MEANS OF ESCAPE See page 16

Exercise care when opening the exit window. If opened too far, it may come off the hinge. This may result in damage to the unit or window.

EXTENDED/FULL TIME USAGE See page 17

Continuous or permanent living in your recreational vehicle may affect your warranty coverage and may void the “Limited Warranty” applicable to your vehicle.

WARNING

OCCUPANT SAFETY WARNING

FIRE EXTINGUISHER See page 16

Avoid checking pressure, testing, or practicing with the fire extinguisher by squeezing the trigger, even briefly. It’s non-rechargeable and non-refillable. Once used, it gradually loses pressure and may not be fully charged for an emergency.

CONDENSATION See page 17

Condensation can lead to dampness, mildew, mold, staining, and potential damage to the recreational vehicle (not covered by warranty). It may also pose health hazards due to mold or mildew issues.

SMOKE ALARM See page 17

This smoke alarm does not notify hearing-impaired residents. For the hearing-impaired, we recommend special alarms with flashing strobe lights.

Only use the replacement battery recommended by the smoke detector manufacturer. Other batteries may cause the alarm to malfunction. Avoid using rechargeable batteries as they may not provide a constant charge. Never disconnect the battery to silence the alarm.

Test the smoke alarm after storage, before each trip, and at least once per week during use. Do not disconnect the battery or the alarm.

COMBO CO2/PROPANE ALARM See page 17

- Do not obstruct the alarm, allowing gas to enter.
- The alarm detects carbon monoxide, not smoke, fire, or other gases.
- It’s intended for typical indoor RV locations, not OSHA standards.
- Consider audible and visual warning devices for CO concentrations under 30 PPM for those with medical issues.
- The alarm only detects CO gas near the sensor, and it’s your responsibility to ensure safety.
- Don’t disconnect the battery or alarm.
- Avoid silencing the alarm by turning off the battery disconnect or disconnecting the cable. Wait for CO levels to drop.
- Stay outside until the alarm is silenced; its loudness (85db) is designed for emergency alerting but may be harmful if close for too long.

DANGER

OCCUPANT SAFETY DANGER

FIRE SAFETY See page 16

Avoid using water to extinguish the fire as it can spread certain types of fires and pose a risk of electrocution in the case of an electrical fire.

FIRE EXTINGUISHER See page 16

Do not turn the electrical power back on or plug in any appliances after the use of a fire extinguisher. Please refer to the fire extinguisher’s user manual for further instructions on maintenance and clean up.

CARBON MONOXIDE /PROPANE ALARM “COMBINATION CARBON MONOXIDE /PROPANE ALARM” on page 18

If the alarm is triggered, exit the vehicle immediately and seek assistance. Although gases may dissipate, it’s crucial to locate and repair the source of the leak.

Your combination carbon monoxide/propane alarm detects toxic carbon monoxide fumes from incomplete combustion and propane leaks. Refer to the user’s guide for instructions and audible/visual warning details.

SECTION 3: PRE TRAVEL INFORMATION



VEHICLE LABELS

⚠ WARNING ⚠ *See page 21*

Decals and data plates used throughout the RV aid in safe and efficient operation; others give service instructions. Read all decals, data and instruction plates before operating your RV. Any decal, data or instruction plate painted over, damaged or removed should be replaced.

In case of theft or vandalism, keep a record of the 17-digit chassis vehicle identification number (VIN), the 8-digit serial number, and your license number. This information may be required by authorities for identification purposes.

Weight Terms

GAWR - Gross Axle Weight Rating
- Maximum load capacity of a single axle system

GCWR - Gross Combined Weight Rating
- Maximum loaded weight of motorhome with full propane, water, and fuel.

GVWR - Gross Vehicle Weight Rating
- Maximum allowable weight of fully loaded motorhome.

OCCC - Occupant And Cargo Carrying Capacity
- Motorhome's weight capacity after deducting factory weight, personal cargo, propane, and water.

Additions to or changes made after leaving the factory may reduce the OCCC.

UVW - Unloaded Vehicle Weight
- Weight of motorhome at factory with full propane.

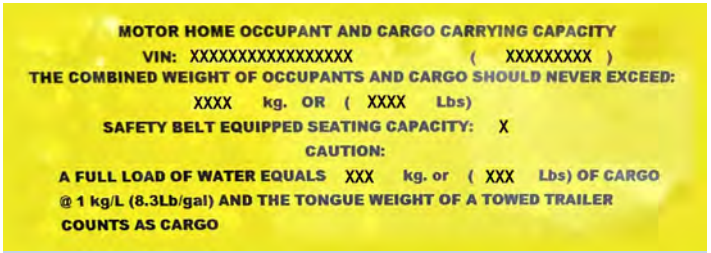
Weight and Capacity Labels

The following labels are typically located on the inward-facing surface of the main entry door of the motorhome and on the lower sidewall left of the driver's seat.

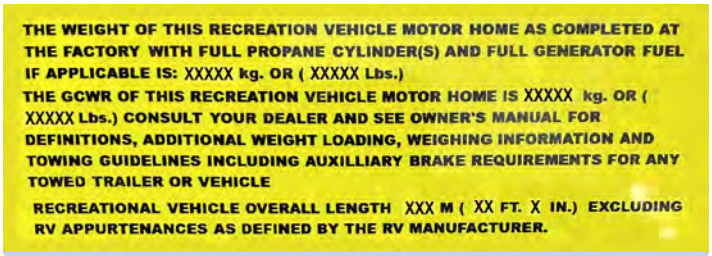
OCCC Label (Occupant and Cargo Carrying Capacity): This federally required yellow label indicates the total combined weight value of occupants and cargo that the motorhome can carry. It also shows the number of factory-installed safety seat belts. Changes made to the motorhome after leaving the factory will affect the OCCC..

Motorhome Towing And Braking Label: Located on the rear bumper above the hitch receiver, this label provides guidelines and information for towing. Consult the Chassis Guide for additional details.

Federal Certification Label: This label, required by the government, verifies compliance with all motor vehicle standards for Canada and the United States. It includes manufacturer name, VIN, GVWR, GAWR (front/rear), tire and rim sizes, and cold tire inflation pressures.



Upper Section Federal OCCC Weight Labels



Lower Section Federal OCCC Weight Labels

⚠ WARNING

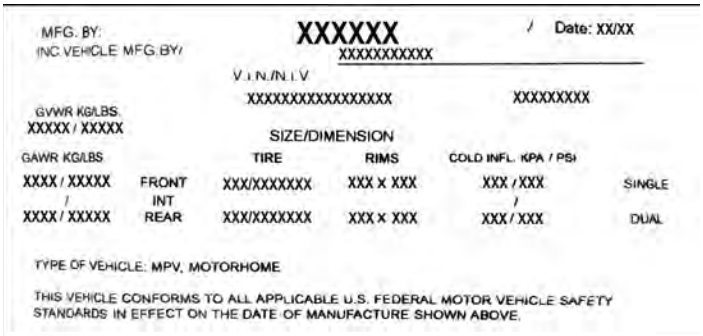
The braking capacity of your motorhome is not necessarily as great as its towing capacity. Separate braking systems should be used for control of a towed vehicle, (auto, trailer, boat etc.), behind the motorhome. Braking requirements will vary by chassis type, chassis manufacturer and state law. Contact your chassis dealer or independent RV dealer for assistance to determine if a separate braking system is recommended and what limit(s) may apply for your towing combination and traveling safety.

The use of a reducing sleeve and smaller diameter draw bar or a longer draw bar in and on the hitch receiver will reduce the hitch weight rating and towing capacity. Use of a draw bar longer than 18-inches (457mm) is prohibited.

Consult your vehicle owner's manual(s) and your independent RV dealer for specific weighing instructions and towing guidelines.

Improper use of towing equipment and towing setups can cause loss of control that may lead to an accident resulting in death or serious injury.

Motorhome Towing and Braking Label



Federal Certification Label

LOADING YOUR MOTORHOME

⚠ WARNING ⚠ *See page 21*

Before traveling, ensure all loose items inside the RV are stored and secured. Distribute cargo evenly side-to-side to avoid exceeding one-half of the GAWR for each axle. Secure tie-down straps on appliances or furniture if equipped. Additionally, load heavy objects on the floor or as low as possible for stability.

TRAILER PLUG

If you choose to tow behind your RV, a chassis manufacturer supplied trailer plug (located at the hitch) is pre-wired into your motorhome. Before connecting your motorhome to a trailer, it's important to familiarize yourself with the guidelines outlined in the manufacturer's owner's manual as well as vehicle weight ratings.

Your motorhome is equipped with a 7-way trailer receptacle. It's essential that the wiring used to operate your towed vehicle brakes matches in size between the towed vehicle and the motorhome.

Over time, the connector plug may accumulate corrosion due to extended use. To ensure good electrical contact, it should be cleaned periodically. Make sure the connector plug remains clean and protected from road elements during your travels.

For detailed operating instructions, please refer to the manufacturer's owner's manual.

WEIGHING YOUR MOTORHOME

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *See page 21*

When your motorhome is loaded, it's crucial to have it weighed. Knowing the actual weight of your motorhome, including passengers, all options, liquids, the hitch weight of your towed vehicle, and personal cargo, is essential to ensure you do not exceed the Gross Vehicle Weight Rating (GVWR). Two key factors to consider when loading your motorhome are total weight and balance.

It's imperative to verify compliance with all applicable weight ratings. Overloading your motorhome will void the Limited Warranty and warranties of many component part manufacturers.

Regularly weigh your motorhome at a public scale to determine proper load distribution. To obtain side-to-side weights, ensure there's enough space on either side of the scale to accommodate the motorhome partially off the scale.

Different types of scales may require varying procedures for weighing the motorhome. Maintain the motorhome as level as possible on the scale, even if an axle is not physically on the scale. For side-to-side weights, ensure there's sufficient space on both sides of the scale.

If you're towing a boat, trailer, or another vehicle, it should be weighed separately. Combine this weight with the motorhome's Gross Vehicle Weight (GVW) to ensure the total combined weight does not exceed the Gross Combined Weight Rating (GCWR).

Once you have the actual weights, compare them to the weight ratings on the Weight Information Label to ensure they are below the posted minimum ratings.

If there is a difference in weights between one side of the vehicle compared to the other, components such as tires, wheels, brakes, and springs on the heavier side may be overloaded, even if the total axle load is within the Gross Axle Weight Rating (GAWR).

CAUTION PRE TRAVEL INFORMATION CAUTION

WEIGHING YOUR MOTORHOME **See page 20**

It is important to redistribute the load to avoid component failure as well as to improve the handling characteristics of the vehicle.

WARNING PRE TRAVEL INFORMATION WARNING

VEHICLE LABELS **See page 19**

The factory-installed weight labels are specific to the recreational vehicle for which they are supplied and are not interchangeable. Do not remove these labels from your vehicle. If labels are missing contact your dealer or Customer Service for replacements.

Do not exceed any applicable weight ratings. Doing so could damage your RV or tow vehicle and adversely affect handling and braking characteristics.

LOADING YOUR MOTORHOME **See page 20**

Never load the RV in excess of the GAWR for either axle. Overloading your RV may result in adverse handling characteristics and damage to the RV.

DO NOT EXCEED YOUR GVWR! Weigh your RV when loaded for travel to determine the actual weight. If you exceed the GVWR, remove items or drain liquids to achieve a safe weight. Avoid traveling with full grey/black holding tanks, as it can affect handling and waste fuel.

Your recreation vehicle's load capacity is designated by weight, not volume. Load the vehicle evenly and secure heavy items to prevent shifting during travel.

Store items in designated storage areas, avoiding spaces reserved for converters, electrical panels, furnaces, or water heaters.

WEIGHING YOUR MOTORHOME **See page 20**

Empty gray and black water tanks before traveling to cut unnecessary weight, which affects fuel consumption and vehicle handling. If unable to dump immediately, reduce speed until reaching a dumping station.



SECTION 4: VEHICLE OPERATION



VEHICLE OPERATION

⚠ WARNING ⚠ *See page 34*

Your motorhome travels safely at highway speeds, but takes longer to accelerate. Allow extra time when passing other vehicles. Avoid sudden maneuvers due to the motorhome's length, as this affects your ability to maneuver quickly.

The motorhome has a wide turning radius, especially when towing. Check road clearance and be mindful of surroundings when turning.

Weather and terrain impact vehicle performance. Avoid using cruise control in adverse conditions or on slippery surfaces. Accelerate and decelerate cautiously to prevent skidding.

Braking and Stopping

Practice stopping away from traffic to familiarize yourself with the motorhome's braking distance. The third brake light activates when braking.

When descending hills, shift into a lower gear and engage auxiliary engine braking if available. This helps control speed and extends brake life. Remember, the motorhome requires more distance to stop than a car.

Driving through water may affect braking. Test brake operation in a safe area after encountering deep water.

Parking Brake

Engage the parking brake when parked. Never drive with the parking brake engaged, as it reduces braking effectiveness and causes driveline wear. Refer to the Chassis guide for parking brake details.

NOTE

CALIFORNIA TIRE CHAIN NOTICE: YOUR MOTORHOME MAY NOT BE OPERATED WITH TIRE CHAINS.

TOWING BEHIND YOUR MOTORHOME

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *See page 35 & See page 37*

Towing impacts vehicle handling, durability, and fuel efficiency. Exceeding weight ratings compromises performance and safety.

Refer to the label on the rear hitch for maximum pulling load and vertical tongue weight. Use a hitch bar of suitable strength and steel to match towing capacities.

Always use safety chains between the motorhome and towed trailer or vehicle. Cross the chains under the tongue, allowing slack for turns, and attach them to the vehicle frame or hook retainers—not the bumper.

When descending steep grades while towing, reduce speed and shift into a lower gear to control vehicle speed. Avoid prolonged brake application to prevent overheating or brake failure.

The Gross Combined Weight Rating (GCWR) determines the maximum total weight allowed for the motorhome and any attachments. To find the allowable weight for a towed item, subtract the Gross Vehicle Weight Rating (GVWR) from the GCWR.

Install a separate supplemental braking system if the towed trailer or vehicle meets or exceeds the minimum weight specified by the chassis manufacturer. Contact your dealer for assistance in determining the need for a supplemental braking system.

⚠WARNING:

YOUR MOTORHOME CHASSIS BRAKING SYSTEM IS RATED FOR OPERATION AT GVWR, NOT GCWR. CONSULT YOUR OWNER'S MANUAL(S) FOR SPECIFIC WEIGHING INSTRUCTIONS AND TOWING GUIDELINES. THE BRAKING CAPACITY OF YOUR MOTORHOME IS NOT NECESSARILY AS GREAT AS THE TOWING CAPACITY.
SEPARATE BRAKING SYSTEMS MAY BE NECESSARY FOR CONTROL OF A TOWED VEHICLE. (AUTO, TRAILER, BOAT, ETC.) BEHIND THE MOTORHOME. IF THE TOWED VEHICLE MEETS OR EXCEEDS THE MINIMUM WEIGHT AS DETERMINED BY THE CHASSIS MANUFACTURER (THIS MINIMUM WEIGHT RATING WILL VARY BY CHASSIS AND CHASSIS MANUFACTURER), CONTACT YOUR CHASSIS DEALER OR MANUFACTURER FOR ASSISTANCE IN DETERMINING WHETHER A SEPARATE BRAKING SYSTEM IS RECOMMENDED AND WHAT LIMITS THERE ARE FOR YOUR TOWING COMBINATION AND TRAVELING SAFETY.

Towing and Braking Label

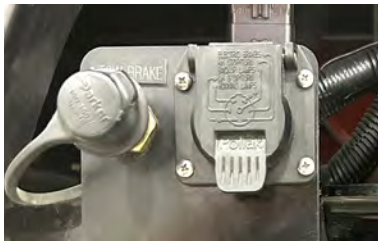
Maintenance

Keep the hitch clean, along with regular frame maintenance.

- Clean the inside of the receiver tube with a wire brush and silicone spray monthly or at the start of each season.
- Remove the utility mount from the receiver when not in use to prevent rusting.
- Periodically check bolt tightness and torque them to the proper setting, as specified in the Chassis Guide.

Refer to the chassis manual for detailed hitch specifications and towing guidelines.

SAFE HAUL SYSTEM



Safe Haul Rear Hitch Air Hose Coupling

Your motorhome is equipped with a factory-installed "Safe Haul" system, serving as a supplemental braking system for vehicles towed behind the motorhome. This system utilizes the motorhome's air supply to operate brakes on both the towed vehicle and the motorhome, ensuring proportional braking between the coach and the tow vehicle. This setup reduces the motorhome's braking distance and prevents a runaway vehicle in case of disconnection from the coach. Brakes are activated on the tow vehicle only when the motorhome brakes are applied.

An air hose coupling, located near the electrical harness connection at the rear of the motorhome, supplies air pressure to the tow vehicle controller.

Tow Vehicle Requirements

A separate kit, purchased by the customer, must be installed on the tow vehicle. This kit should include:

- A breakaway switch and switch cable, connecting the tow vehicle to the motorhome to act in case of detachment.
- Mechanisms to operate the tow vehicle brake pedal via air pressure when the motorhome air brakes are applied.
- An air hose connected from the tow vehicle to a coupler on the rear of the motorhome.
- Optionally, an LED brake light switch mounted to the tow vehicle's windshield, visible through the backup camera, indicating brake application.

NOTE

A professional installer should be used to hook up the tow vehicle kit.

ENTRANCE STEP

⚠ WARNING ⚠ *See page 35*

Your motorhome is equipped with an electric entrance step. To operate it:

- Ensure the "Step" control on the passenger side console is located and turned on (the 12-volt battery disconnect switch must be ON).
- If the step encounters an obstacle, like a curb, while deploying, it will stop and shut down. It will retract automatically when the door is closed.

STEP WITH CONTROL UNIT

Normal Operation/Automatic Mode:

- Close the door: The step should retract and lock in the 'up' position (under step light is not on).
- Open the door: The step should extend and lock in the 'down' position with the under step light illuminated.

NOTE

In the event the entrance door is left open, the light will turn 'off' after 5 minutes.

Step Lock Function/Stationary Extended Mode:

- Activate the override switch to the 'ON' position: The step remains extended with the under step light off when the door is closed.
- With the override switch ON, the step extended, and the entrance door closed, turn the vehicle ignition on. The step will automatically retract due to the ignition override system.
- Turn the vehicle ignition off and open the door: The step will extend and lock in the down position. This is the 'auto extend' feature. The step will activate with door movement when the vehicle ignition is turned on, regardless of the step switch position.

For detailed operating and safety instructions, refer to the manufacturer's owner guide included in your warranty packet.

ELECTRIC STEP WELL COVER

⚠ WARNING ⚠ *See page 35*

The step well cover can be extended or retracted using the "step cover" switch located on the passenger side console. The cover gives the passenger a flat "floor" to rest their feet on.



Step Cover Switch

ENTRANCE DOOR

⚠ CAUTION ⚠ *See page 37*

Always grip the entrance door when opening or closing to avoid damage not covered by the Limited Warranty.

The entrance screen door may have a slide panel for accessing the handle and locks. Both regular and deadbolt locks may be present.

Keys

Multiple keys are provided, each with a unique number stamped. Record these and store them securely. Contact your dealer or locksmith for assistance if lost.

Maintenance

Lubricate entrance and baggage door locks biannually with silicone spray. Environmental factors like rain, salt, dust, and pollution may increase maintenance needs.

KEYLESS ENTRY AND ENTRANCE DOOR

The keyless entry system offers two ways to secure your motorhome:

1. **Key Fob:** Allows locking/unlocking of the entry and baggage compartment doors.
2. **Exterior Keypad:** Provides secure entry using a personalized 5-digit code.

Refer to the manufacturer's Keyless Entry Manual for details.

Entrance Door

The entrance door features a manual keyed lock with a separate deadbolt. The grab bar has a built-in keypad for personalized code entry..

Unlocking/Locking the Entrance Door

To unlock the door, use one of the following methods:





- Unlock/Lock using the key fob.
- Unlock/Lock via the multiplex system.
- Use keys to operate the deadbolt and door handle lock.
- Enter your personalized 5-digit code on the keypad.
- Lock by pressing and holding the (1) button for 2 seconds on the exterior grab handle keypad.
  - Use the Vegatouch system app on your smartphone to press the ENTRY DOOR UNLOCK/LOCK button.

Key Fob(s)

Key Fob functions are as follows:

Button	Function
Lock	Locks the entry door and disables baggage door access.
Unlock	Unlocks the entry door with first press, and enables baggage door access with a second press. This also activates the dome light output for 60 seconds.
Panic	Holding the button for two seconds activates the Panic feature.



Button	Function
Docking Lights	Toggles dock lights on/off.

- If the docking lights are activated with the key fob, they must be deactivated with the key fob; the cockpit switch won't function. Similarly, if activated with the cockpit switch, they must be deactivated with it; the key fob won't work.
- While the engine is running, only the entry unlock function on the fob remains active; other functions are disabled.
- The key fob cannot unlock the deadbolt. Use the deadbolt key to lock/unlock it when outside the coach. Key Fobs are programmed for your coach from the factory.

Programming the Key Fob(s)



Ensure all key fobs you want to program are available. They must all be programmed simultaneously; otherwise, non-programmed fobs will become non-functional.

1. Locate the key fob programming switch in the overhead cabinet above the steering wheel.
2. Inside the compartment, find the switches mounted to a switch bezel labeled "KEY FOB" and "KEYPAD AUTH CODE."
3. Press the "KEY FOB" switch toward the "KEY FOB" lettering three times within 5 seconds.
4. The programming mode is activated when you hear two clicks from the programming module relays inside the compartment.
5. Once in programming mode, you have approximately 10 seconds to press any single button on each remote key fob you wish to program.
6. The key fob(s) are now ready to perform all button functions.

Keyless Entry

Standard Keypad Operation

Opening a Locked Coach:



1. Enter your personal five-digit code.
2. Listen for 2 very soft beeps.
3. Press and release:
   - (1) to unlock the entry door only.
   - (2) to unlock the entry door and storage bay doors.
   - (3) to unlock storage bay doors only.

Locking an Open Coach:

1. Press and hold the (1) button until you hear one loud beep. This indicates the front door and all electrically operated storage bay doors are locked, and the coach's alarm system is activated.

Note:

- When locking/unlocking with the keypad, the alarm system is automatically activated/deactivated.
- Two beeps indicate the coach is unlocked and the alarm disabled.
- Three quick beeps indicate an error, and the alarm is not set.
- The alarm will sound if the door is forced open.
- The porch light will turn on for 30 seconds upon any button press.
- An access code is not needed to lock doors.

Authority Code

The Authority Code is a unique 5-digit passcode used to program keypad Access Codes. Changing it erases previous Access Codes and resets Memory Bank 1. The default Authority Code is:

Digit 1	Digit 2	Digit 3	Digit 4	Digit 5
Button 4	Button 4	Button 4	Button 4	Button 4

The Authority Code does not enable secure functions such as locking and unlocking doors.

Programming the Authority Code

1. Access the keypad authority code switch in the overhead cabinet above the steering wheel.
2. Inside the compartment, locate switches labeled "KEY FOB" and "KEYPAD AUTH CODE."
3. Press the "KEYPAD AUTH CODE" switch; the keypad will beep.
4. The keypad beeps for 3 seconds; flip the switch back to its original position before the beeping stops to enter "Learn Mode."
5. While in "Learn Mode," each button push results in a double chirp and flashing backlight.
6. The keypad exits "Learn Mode" when a new code is set.
7. Enter a new 5-digit Authority Code; the keypad chirps twice after each button press and thrice after entering the fifth digit.
8. Re-enter the new Authority Code for confirmation; the keypad chirps four times for successful completion. A long beep indicates failure.
9. Note the new Authority Code and test it by programming a new Access Code.

Authority Code				
Digit 1	Digit 2	Digit 3	Digit 4	Digit 5

NOTE

The Authority Code should be changed when you purchase your motorhome. Failure to do so may permit access to your motorhome by anyone aware of the factory default code.

Access Code

The Access Code is a unique 5-digit code that will unlock the motorhome doors when entered on the keypad. Up to (4) separate access codes can be programmed into the keyless entry system. **The default Access Code is:**

Digit 1	Digit 2	Digit 3	Digit 4	Digit 5
Button 1	Button 2	Button 3	Button 4	Button 4

Assigning a new Access Code

1. Press and hold button 3 for 5 seconds until the keypad beeps. The keypad backlighting will flash, indicating "Learn Mode."
2. Enter the 5-digit Authority Code. If incorrect, the keypad beeps for 1 second and exits "Learn Mode."
3. If the correct Authority Code is entered, the keypad emits a constant beep until you assign a Memory Bank for the new Access Code.
4. Press and release the button corresponding to the desired Memory Bank (e.g., button 1 for Memory Bank #1, button 2 for Memory Bank #2). There are 4 Memory Bank locations corresponding to buttons 1, 2, 3, and 4.



5. Enter a 5-digit Access Code. The keypad chirps 4 times after entering the fifth digit.
6. Re-enter the new Access Code for confirmation. The keypad chirps 3 times to confirm. A long beep indicates a failure to change the code.
7. Test the new code to confirm a successful change.

Note:

- Up to 4 Access Codes can be assigned at any time.
- Adding codes to memory bank positions with pre-existing codes will overwrite the previous code.
- If an error occurs or time runs out, the keypad exits "Learn Mode," beeps for 1-2 seconds, and retains the previous settings.

Use the following chart to track new Access Codes and Memory Bank locations.

Memory #	User	Digit 1	Digit 2	Digit 3	Digit 4	Digit 5
Button 1						
Button 2						
Button 3						
Button 4						

DRIVER AND PASSENGER SEAT

⚠ WARNING ⚠ *See page 35*

Power Seat

Use the controls on the seat to adjust the power seat to your preferred position.

Release the control to lock the seat in place. Features may include adjustable seat belts, lumbar support, swivel, slide, heating/cooling and reclining options. Not all features are available in all models.

Rotating the Driver/Passenger Seat

Depending on your model, you may be able to rotate the driver/passenger seats towards the rear of the motorhome.

To rotate the seat towards the rear:

- Pull the seat swivel release lever up.
- Rotate the seat.

To return to the original position:

- Rotate the seat back to the driving position until you hear a click, indicating the seat has locked into place.

NOTE

The driver's and front passenger seat must be locked in the forward facing position while the motorhome is in motion.

SEAT BELTS

⚠ WARNING ⚠ *See page 35*

Always use seat belts for safety. Proper use can reduce injuries in accidents. If your motorhome has a booth dinette, hide-a-bed sofa, or easy bed sofa, they will have two-point lap-seat belts installed. Seat belts should be used in all seating positions.

Maintenance And Inspection

- Clean seat belt webbing with a mild soap or detergent solution. Allow them to dry in the shade before retracting.
- Regularly inspect seat belt buckles and release mechanisms for proper function. Ensure automatic locking retractors engage correctly.
- Replace the entire seat belt assembly if the webbing shows cuts, broken fibers, or severe fading from sunlight exposure. Do not attempt to bleach or re-dye the belts as this may compromise their strength and durability.

VEHICLE DASH

⚠ WARNING ⚠ *See page 35*

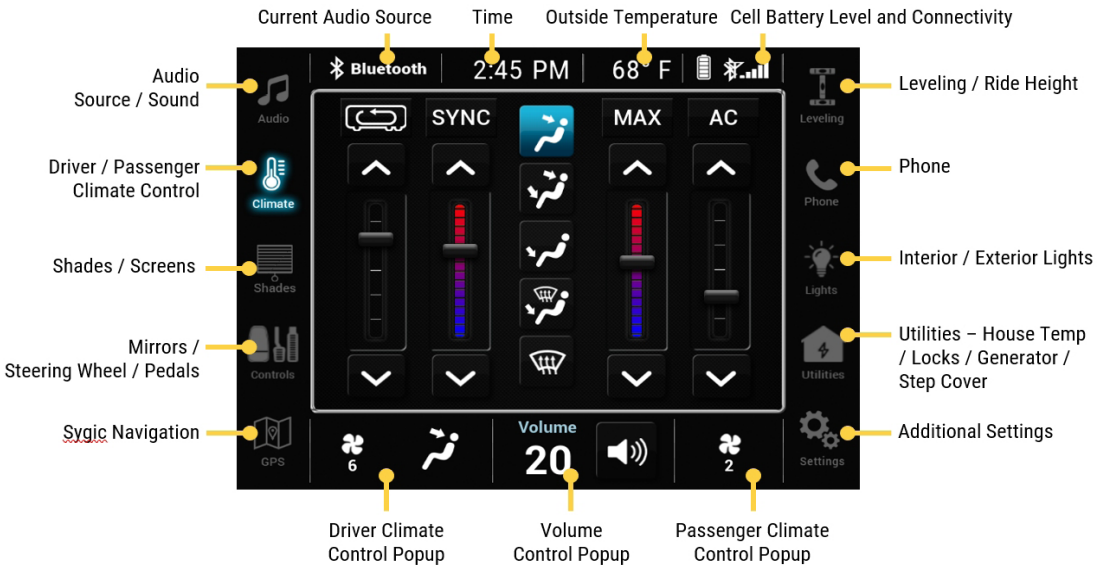
Maintenance:

To clean the vinyl/ABS dash, soak a soft cloth in a solution of mild detergent and water. Wipe off the dash. To rinse, dip a cloth in fresh water and wring it out well. Wipe off the detergent thoroughly.



CENTER CONSOLE PANEL

For detailed operation, refer to the manufacturer's user guide – Valid Infotainment System Operation Manual.





E-Z DRIVE STEERING ASSIST

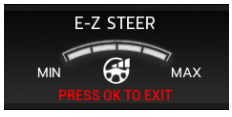
E-Z Drive is an electrically controlled steering assist system designed to ease steering in various conditions, such as strong crosswinds or steeply crowned roads, enhancing driver control in suboptimal conditions.

Operating the System

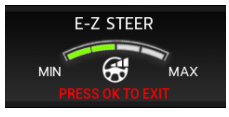
- E-Z Drive activates when the ignition is ON and retains the last setting upon engine restart. Enable E-Z Drive to adjust for road or wind conditions.
- Use the steering wheel center control pad to access the E-Z Steering display in the selectable display area (lower left corner of the instrument cluster).
- Adjust the amount of steering effort by scrolling up or down. Lower settings require less effort, while higher settings demand more effort.
- Press Up or Down to adjust effort level, then press OK to save the setting.

In the event of a malfunction, the system will disconnect from the steering automatically. The system deactivates and the coach reverts to standard steering.

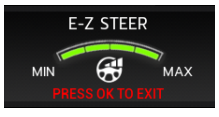
For further information please contact Entegra customer service or your dealer.



MIN
No bars filled in



HALFWAY
Bars filled in midway



MAX
All bars filled in

WARNING

- E-Z Drive is NOT an electronic cruise control system.
- E-Z Drive requires constant steering input when the vehicle is in motion.

FRONT IN-DASH AM/FM AND NAVIGATION SYSTEM

The front in-dash AM/FM and Navigation system is Sirius Satellite radio ready. Activate this feature with a Sirius subscription. Refer to your Comprehensive User Guide and the manufacturer owner's manual for detailed instructions.

DELTA MOBILE 360° CAMERA SYSTEM

WARNING *See page 36*

Your motorhome features the Delta Mobile 360° Camera System, offering a surround view with digital radar and HD cameras. It comprises six HD cameras placed around the coach: one each at the front and rear, and two on each side. These cameras can function individually or combine to provide a top-down "birds-eye" view. Camera controls are accessible via the screen, allowing selection of specific cameras or disabling automatic switching. Icons at the bottom of the screen correspond to different camera views for easy navigation. For detailed instructions, refer to the manufacturer's owner's manual.

Camera Controls

To select a specific camera or to turn off the automatic switching, touch the camera screen. The screen controls will appear on the screen and control the following HD cameras:

1. 360 and rear (backup) camera
2. 360 camera
3. Driver side camera
4. Passenger side camera
5. Rear (backup) camera
6. Front camera



STEERING WHEEL AND COLUMN CONTROLS

⚠ WARNING ⚠ *See page 36*

Left Control Pad

- **Headlamp Flash**: Press to turn on/off headlamps temporarily.
- **Cruise Control**: Functions include on/off, set, cancel, and resume.
- **Phone Answer/End:** Pull top paddle to answer/initiate calls, push to decline/end calls.
- **Engine Brake:** Pull bottom paddle to enable/disable, push to adjust brake level.

Center Control Pad

- **Screen View:** Toggle between standard, navigation, and camera views.
- **Home**: Return to main screen.
- **OK (Enter):** Confirm selection.
- **Back**: Go back one screen.
- **Up/Down:** Scroll up/down.
- **Left/Right**: Scan/seek within media sources.
- **Source**: Change media sources.

Right Control Pad

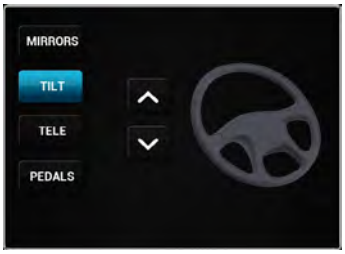
- **Marker Lamp Flash:** Turn marker lamps on/off temporarily.
- **Wiper High/Low**: Press for wiper activation; press again for high speed.
- **Wiper Wash**: Pump and squirt windshield fluid.
- **Wiper Automatic/Off:** Control wiper settings.
- **Air Horn:** Activate air horn.
- **Volume Increase/Decrease:** Adjust volume; mute media.
- **Multi-Function Signal Lever**: Controls turn signals and headlight high/low beam.
- **Hazard-Warning Flasher**: Activate/deactivate hazard signals.

Steering Wheel Tilt/Telescope (Tele) and Pedal Retract/Extend

- Control positioning via the Controls screen on the Center Console Interface (CCI).
- Adjust steering wheel tilt and telescope.
- Modify floor pedal distance.

For detailed operation, refer to the manufacturer's user guide – Valid Infotainment System Operation Manual.





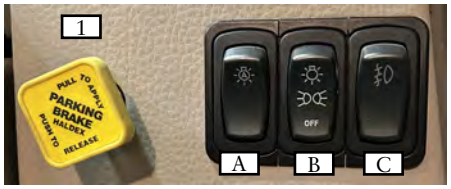




DASH INSTRUMENT PANEL

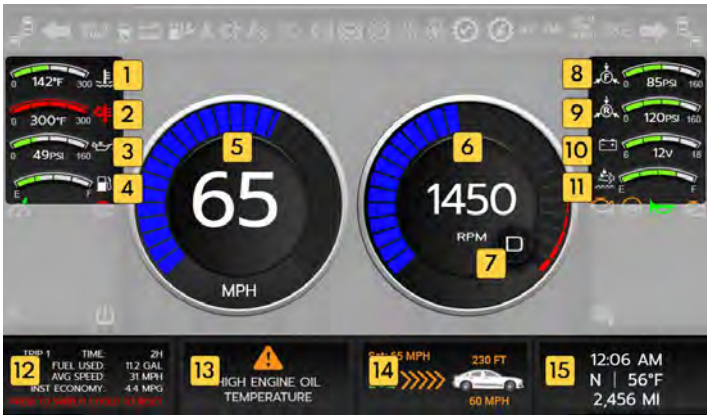
Lower Left Dash

1. Parking Brake
2. Headlight Switch:
   - A. Auto Headlight On/Off
   - B. Off – Marker On – Headlight On
   - C. Parking Lights On/Off



Center Panel – 15" GIC (Standard View)

For detailed operating and safety information for the GIC, refer to the manufacturer's user guides – Spartan GIC Operation Manual.



3. Engine coolant temperature
4. Transmission oil temperature
5. Engine oil pressure
6. Fuel level
7. Speedometer
8. Tachometer
9. Transmission gear
10. Pneumatic pressure in the secondary (front) service brake circuit
11. Pneumatic pressure in the primary (rear) service brake circuit
12. Chassis battery voltage display
13. DEF level
14. Selectable display area
15. Message center
16. OnGuardACTIVE Collision Mitigation System (Cornerstone Models Only)
17. Clock, heading, outside temperature and odometer

DRIVER SIDE CONSOLE PANEL

Refer to your Comprehensive User Guide for additional console control information.



1. Dual USB Power Port
2. **Transmission Control Pad:**
   - "Select" indicates selected gear. "Monitor" indicates actual operating gear.
   - Depressing "D" selects the 6th gear as desired; specific gears can be selected with "Up" and "Down" arrows.
   - MODE button engages Economy Mode, keeping transmission in higher gear for fuel economy.
3. **Phone Cradle**
4. **Cup Holder with LED Light**
5. **Gen Start Switch**
6. **Battery Boost Switch:** Connects chassis batteries with house batteries for engine or generator start.
7. **Dome Lights Switch:** Operates cockpit lights above driver and passenger.
8. **Tag Dump Switch:** Automatically dumps air in tag axle air bags when transmission is in reverse in Auto function. Press to disengage or hold to continue deflating air bags.
9. **Column Telescope:** Sets horizontal distance of steering wheel from dash.
10. **Column Tilt:** Sets vertical position of steering wheel.

PASSENGER SIDE CONSOLE INSTRUMENT PANEL



1. Cup Holder with LED Light
2. **Center Console Interface Touchscreen Panel:** For detailed operation, refer to the manufacuturer's user guide – Valid Infotainment System Operation Manual.
   a. Audio
   b. Volume
   c. Climate
   d. Window Shades
   e. Lights
   f. Settings
3. **USB Charge Ports**

CLIMATE CONTROL SYSTEM (DASH)

System Layout:

- Integrated heating/air conditioning system with dual zones.
- Provides windshield defrost, heating, and cooling for front seat occupants only.
- Draws fresh air from outside in most modes, except in MAX A/C or RECIRCULATION mode.

Operating Features:

- Dual zone blower and temperature control.
- Recirculation available in Panel Mode, Bi-Level, and Floor modes.
- Max AC mode activates Recirc, Panel Mode, max blower, and AC.
- Operable via Center Console Interface (CCI), Passenger Climate Controls Touchscreen, or Bergstrom Main Controls.

Center Console Interface (CCI):

- Driver and passenger can control own heat and fan settings.
- Sync button synchronizes settings; remains blue when synchronized.

Passenger Climate Controls Touchscreen:

- Adjustments for heat, circulation settings, and navigation to driver or passenger climate controls.
- Sync button synchronizes heat and fan settings.
- Recirc button recirculates air within cabin; off for outside air.
- Max button maximizes cooling effect of air conditioning.
- **Bergstrom Main Controls:**
- **Blower Speed**: Adjusts for driver only or both sides.
- **Temperature Control:** Controls heating and cooling for driver only or both sides.

Air Distribution – Mode Control:

- **RECIRC AIR**: Recirculates air inside cabin; faster cooling.
- **VENT (PANEL MODE)**: Discharges air through dash louvers only; dual zone blower and temperature.
- **BI-LEVEL (VENT/FLOOR)**: Discharges air through dash louvers and floor outlets; dual zone temperature.
- **FLOOR**: Discharges air through floor outlets; dual zone temperature.
- **MIX:** Discharges air through floor and defrost outlets; dual zone temperature.
- **DEFROST:** Discharges air through defrost outlets; A/C automatically operates for windshield defogging.

NOTE

Entegra Coach or the chassis manufacturer must authorize any repairs to the climate control system. Refer to and follow the manufacturer owner's manual for safety and service information.

EQUALIZER HYDRAULIC LEVELING SYSTEM

⚠ WARNING ⚠ **⚠ CAUTION ⚠** *See page 36 & See page 37*

For detailed operating and safety information, refer to the manufacturer's user guide.

Before operating the leveling system, ensure the following:

- The motorhome is parked on a reasonably level surface.
- The parking brake is engaged.
- The transmission gear selector is in NEUTRAL.
- The engine is turned off.



NOTE

The slideout room should be extended (with the air suspension fully aired up) before leveling jacks are deployed. Wheels MUST be straight. Failure to do so may result in damage to the fenders and/or tires. Never dump air from the airbags unless the wheels are straight.

NOTE

Auto Level will be denied if the jack indicator lights are on. To clear this press all, retract then perform Auto Level.

Auto Level Operation

1. **Power On**: Press and release the power button to activate the system. The LED light next to the power button should turn RED. Ensure the ignition key is in the off position for extending the jacks. Attempting to extend them with the engine running will result in a deny tone.
2. **Auto Level**: Press the Auto Level button. The system will emit continuous beeps, indicating it's in operation. Do not move around or exit the coach during this process. Once completed, the keypad will emit a dual-tone signal.
3. **Setting the Null:** Ensure the coach is level. If not, manually level it and reset the null. To set the null, turn the power on, level the coach, then turn the power off. Press and hold the Auto Level button, and listen for a series of beeps. Once completed, release the Auto Level button.

NOTE

Do not manually overextend individual jacks. This may cause unwanted stress on the coach or the jacks.

4. **Retracting the Jacks:** Use the All Retract button to retract the jacks before travel. The system will automatically retract the jacks after the button is pressed and released.

Manual Operation

1. **Power On:** Press and release the Power Keypad button. Ensure the ignition key is in the off position before extending the jacks.
2. **Planting the Jacks:** Extend the jacks using the Down Keypad buttons until they contact the ground. Operate the jacks only in pairs.

3. **Leveling the Coach:** Use a bubble level to ensure the vehicle is level. Adjust using the Down or Up Keypad buttons.
4. **Retracting the Jacks:** Press the All Retract button to retract the jacks before travel. Do not use the Up buttons for this purpose.

Check/Test:

- Ensure the ignition disable circuit is properly installed. The jacks should not extend if the ignition key is in the on position. The system should indicate this with an LED. Failure to properly connect this could create an unsafe condition and may void the warranty.

Helpful Hints:

- Proper battery voltage and chassis ground are crucial.
- Familiarize yourself with the manual override option.
- If a jack comes out of the stowed position while traveling, the system will automatically return it to the stowed position.

Panel Indicator LED

During operation, only the OPERATING LED should be illuminated.

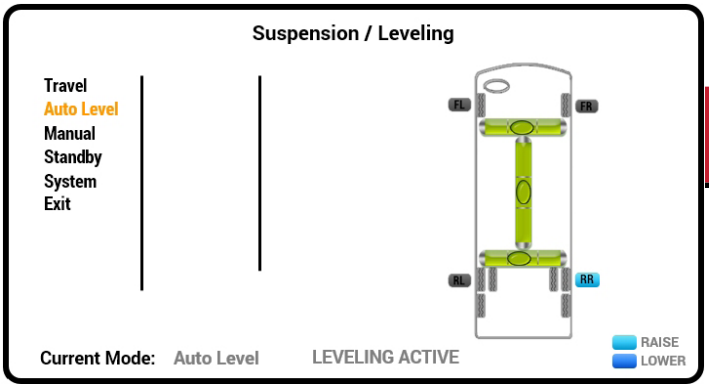
For complete instructions, troubleshooting and safety information refer to the manufacturer's manual online at https://equalizersystems.com/service-and-support/operation-and-installation-manuals/

Power LED	• ON Red when Power is ON • OFF when power is OFF • SLEEP MODE Flashes every 1 second
Jack LED	• ON Red when Jack(s) are deployed • OFF when Jack(s) are stowed
Operating LED	• ON Red w/Auto Level or All Retract • OFF when keypad is idle or sleeping
Low Voltage LED	• ON Red when voltage is below 10.5 VDC • OFF when voltage is above 10.5 VDC
Engage Park Brake LED	• ON Red when park brake is not set • OFF when park brake is set
Ignition On LED	• ON Red when ignition is in the ON position • OFF when ignition is off
Excess Slope LED	• ON Red following an Auto Level attempt if system cannot overcome slope • OFF when slope is not excessive

VALID TRUELINE LEVELING SYSTEM

⚠ WARNING ⚠ *See page 36*

The Valid Trueline Leveling System utilizes electronic controls to manage both the air suspension for ride control during travel and leveling when stationary. Here's a breakdown of its key features and operational modes:.



Stationary Leveling:

- Auto Mode: Automatically levels the coach with a single button press, utilizing the air suspension system.
- Manual Mode: Allows manual control over each corner for precise leveling. The system prevents excessive twisting of the chassis, ensuring safe operation.
- Slope Indicator: Alerts when the terrain is too steep for safe leveling.
- Digital Bubble Level Indicators: Provide precise vehicle position information.
- Twist Indicator: Warns of potential coach damage due to twisting.
- Low Voltage Detection: Prevents issues related to low battery power.
- Fault Indication: Offers immediate diagnosis and troubleshooting assistance.
- Audible Alerts: Built-in speaker provides audible warnings.
- Leveling on Angled Surfaces: Ensures the coach remains level even on sloped terrain.

Electronic Ride Enhancement System:

- Ride Height Adjustment: Allows adjustment while traveling, automatically adapting to changing road conditions.
- Four-Corner Height Sensing: Ensures accurate leveling with selective averaging.
- Confirmation of Travel Ride Height: Eliminates guesswork by confirming the selected ride height.
- Warning Alarm for Low Suspension: Alerts when suspension is too low.
- Step Height Adjustment: Adjusts step height once leveling is complete.
- Enhanced Stability: Reduces excessive roll during cornering and pitch during acceleration and braking.
- Default Normal Ride Height: Automatically selected for normal travel conditions.

- **Adjustable Ride Height:** Offers flexibility to raise for uneven terrain or lower for additional clearance.

Operation:

- The system is controlled via the graphical instrument cluster (GIC) interface.
- Three main operating modes: Auto Level, Manual Level, and Travel Mode.
- Leveling mode and status displayed on the bottom of the screen.

Detailed operating and safety instructions available in the manufacturer's user guides: Spartan GIC Operation Manual and Spartan-Leveling Features GIC Operation Guide.

Additionally, the system can be operated through the Center Console Interface (CCI), with similar features and modes available.

For detailed operation, refer to the manufacturer's user guide – Valid Infotainment System Operation Manual.



CAMPSITE HOOK-UP

- Refer to Electrical Systems section before connecting the shore line power cord (when using full hook-up) OR before starting the generator or operating the vehicle on 12-volt power when dry camping.
- Refer to Plumbing Systems section before connecting the fresh water supply or turning ON the water pump or water heater.
- When using full hook-up, connect the sewer hose to the campsite sewer hook-up.
- If applicable, start the refrigerator and the cooling or heating system.

NOTE

For extended dry camping, management of all your resources is essential. Check your battery levels and conserve battery power, use it sparingly.

CHASSIS AIR BAGS

⚠ WARNING ⚠ *See page 36*

Check the inflation pressure of the chassis air bags weekly when using the motorhome and prior to traveling.

Driving with partially filled air bags will create an unsafe environment and can damage your motorhome. Refer to your Chassis Guide for more information on the air bags.

EMERGENCY STOPPING

⚠ WARNING ⚠ *See page 36*

Always carry road flares or reflective warning signs. Pull off the roadway as far as possible for emergency stopping. Turn ON your vehicle hazard warning flashers. If traveling at night, use three red warning indicators such as flares, reflectors, or lanterns as required by the Uniform Vehicle Code and Model Traffic Ordinance.

EMERGENCY TOWING

⚠ WARNING ⚠ *See page 36*

If your motorhome needs to be towed, please contact an emergency road service provider or a qualified service facility for assistance.

FRONT AXLE TIRE ALIGNMENT

Alignment involves steering axle and suspension adjustments, along with rear axle tracking. After fully loading the vehicle, it's advised to check and adjust front suspension and steering alignment. Regular alignment checks are necessary for steering performance and tire wear prevention. Note that post-road test alignment issues aren't covered under warranty. Ensure alignment is handled by qualified shops. Dealer road tests should identify steering problems pre-delivery. Follow Chassis Guide maintenance for axle care, including brakes and wheel bearings. Contact the Chassis manufacturer for support.

WHEEL LUG NUTS/WHEEL LINERS

⚠ WARNING ⚠ *See page 37*

After your first trip, periodically check wheel lug torque for safety, including after winter storage, wheel removal, before trips, and following extensive braking. Tighten lug nuts in two stages, using the correct star pattern sequence to attach RV wheels. Begin by hand and follow the specified tightening sequence.

Use a properly calibrated torque wrench and socket, not an impact wrench or hand tightening, to tighten wheel lug nuts. Avoid using a 4-way lug wrench or other tools that don't measure applied pressure.

Refer to the Chassis Guide for torque guidelines.

Wheel Lugs

Replace cracked or broken wheel stud bolts along with adjacent weakened bolts.

Aluminum Wheels (if equipped)

Clean aluminum wheels with a suitable cleaner and apply protective agent, avoiding abrasive cleaners. Promptly clean wheels exposed to sea water or road chemicals using a sponge or chamois leather to prevent surface damage.

TIRES

⚠ CAUTION ⚠ *See page 37*

Read and understand the following before taking your first trip in your RV.

Routine maintenance on your RV is important. **To ensure your tires are operating safely, regular inspection of the tires and checking tire pressures is absolutely mandatory.**

Alignment, balance and bearing wear will affect tire wear. Make sure to look for cracking, bulging, uneven tread wear, etc.

Tire Pressure

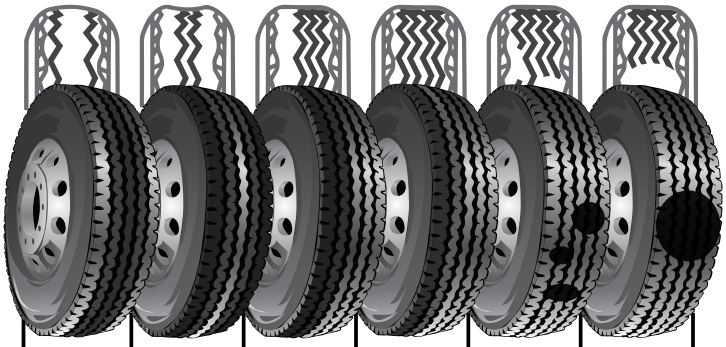
DANGER WARNING *See page 34 & See page 37*

It's crucial to adhere to the manufacturer's inflation guidelines to ensure maximum load capacity. Both under-inflation and over-inflation pose risks. Regularly monitor tire pressure to prevent overheating, which could lead to a blowout. Check inflation weekly when the tires are cold, as pressure increases during travel due to heat buildup. Avoid bleeding air from hot tires to prevent them from becoming under-inflated.

NOTE

Cold tire inflation pressure is defined as a tire that has not been used for three or more hours, or has been driven less than one mile. Tire inflation pressure of a hot tire may show an increase of as much as 6 psi over a cold tire.

Tire Wear Diagnostic Chart



Center Wear	Edge Wear	Side Wear	Toe Wear	Cupping	Flat Spots
Cause					
Over inflation	Under inflation	Loss of camber or overloading	Incorrect toe-in	Out of balance	Wheel lock-up & tire skidding
Action					
Adjust tire pressure to particular load, per tire catalog.	Adjust tire pressure to particular load, per tire catalog.	Insure load does not exceed axle rating. Align at alignment shop.	Align at alignment shop.	Check bearing adjustment & balance tires.	Avoid sudden stops when possible and adjust brakes.

TIRE PRESSURE MONITOR SYSTEM (TPMS)

WARNING *See page 37*

Your motorhome comes equipped with a Tire Pressure Monitoring System (TPMS), featuring sensors installed on the rims within the tires. This system effectively measures and displays tire pressures and temperatures.

- TPMS sensors are factory-installed and pre-programmed.
  - **TPMS Display:** The TPMS fault sensor is situated in the lower left corner of the digital dash, just above the selectable display area. Access the TPMS menu via the selectable display using the VDC controller. Rotate the knob to cycle through menus, select the TPMS screen, and press the knob to switch between tire pressure and temperature readings.

For comprehensive sensor programming or troubleshooting guidance, please refer to the manufacturer's user guide.

CHANGING A TIRE

WARNING *See page 37*

If you experience a flat tire on your motorhome while driving, gradually decrease your vehicle speed (if possible), and move the motorhome to a safe place on the side of the road. Contact your road service provider (if applicable) or a qualified service facility for assistance. **Do not attempt to change the tire or jack the motorhome up yourself.**

Make sure the road service technician reads and is familiar with the Chassis Guide information regarding changing the tires. Make sure the wheel lug nuts have been tightened to the proper torque as outlined in your Chassis Guide.

AWNINGS

WARNING CAUTION *See page 37 & See page 37*

Awning Care

Keep your awnings clean and in good condition to prevent costly repairs.

- Keep the awning fabric clean. Refer to the manufacturer's owner information for detailed cleaning instructions.
- Avoid using insecticides or other sprays near the awning fabric, as they can cause stains and affect water repellency.
- Protect the awning from adverse environmental conditions, corrosive agents, or harmful conditions.
- Prevent contact between the corner of the entry door and the awning fabric to avoid premature wear or tearing.
- Never close the awning for storage when wet to prevent mildew, discoloration, and stains. If necessary to roll up the awning temporarily while wet, allow it to dry completely before rolling it up again.
- Avoid accumulation of dirt, leaves, or debris on the awning to prevent abrasion, stains, and mildew growth.
- Clean awning hardware with a mild surface cleaner as needed. Do not use strong chemicals or abrasives.
- Apply silicone spray lubricant to moving parts on the fabric roller tube assembly and lubricate all pins and sliding surfaces of the arm assemblies as needed.
- Do not use abrasive or corrosive cleaners, mildew removers, or hard bristle brushes on the awning fabric.

Vinyl awning fabric is durable and water-resistant. Wrinkling is normal, especially after prolonged periods of stowage. Leave the awning open during warm weather to minimize wrinkling. A slight "travel line" where the door roller contacts the fabric is normal and does not affect its integrity.

To Clean The Fabric:

- Open the awning.
- Mix 1/4 cup soap with five gallons of fresh water. Always use a natural soap, not a detergent. The water should be cold to lukewarm, never more the 100° F.
- Liberally drench the fabric with cleaning solution.
- Close the awning and allow the solution to soak for five minutes.
- Open the awning and thoroughly hose off the top and bottom of the fabric with clean water. Repeat if necessary.

- Remove the solution COMPLETELY from the awning fabric.
- Make sure the fabric is dry before closing the awning. Air-dry only. Never apply heat to the fabric.

Your motorhome may include the following options:

- Power window awnings
- Slide out awnings
- Power awning over entrance door
- Power patio awning

Controls to operate the awnings are found on the multiplex touchscreen.

Power Awnings

Each power awning will have its own control. Operating the control will extend or retract the awning.

Most power awnings allow you to adjust the pitch (slope) for water runoff and pooling. When adjusting the pitch, be mindful of entrance door and window clearances to avoid damaging or tearing the awning fabric.

Before retracting the awning, ensure there is no pooled water or debris on it.

When Preparing To Travel:

- Ensure the awning is completely retracted and secured.
- Turn off any light strips (if applicable).
- Disable all power sources to the awning.
- Test the awning prior to departure to ensure it does not extend unexpectedly.

Most power awnings have a manual override in case the awning fails to retract.

Refer to the manufacturer's user guide for detailed safety, operating, and troubleshooting information.

NOTE

Do not overextend the awning. If the awning or awing skirt show signs of overextending, retract the awning until it is in the appropriate position.



DANGER VEHICLE OPERATION DANGER

TIRE PRESSURE See page 33

Failure to follow proper inflation guidelines may result in tire failure, which, under certain circumstances can cause loss of vehicle control or accidents that may result in property damage, bodily injury and/or death.

WARNING VEHICLE OPERATION WARNING

VEHICLE OPERATION See page 22

Your motorhome chassis braking system is rated for operation at GVWR not GCWR

WARNING

VEHICLE OPERATION WARNING

TOWING BEHIND YOUR MOTORHOME See page 22

- **Total weight of your motorhome and any trailer or vehicle towed by it must not exceed the GCWR.** Do not assume that you can tow a vehicle that happens to be within the capacity of the hitch. By doing so, you may exceed the total GCWR of the motorhome.
- **The total weight of your motorhome (including cargo, passengers, fluids, etc.) in addition to the vertical (tongue) weight must not exceed the GVWR and/or any GAWR.** Once again, do not assume that you can tow a trailer or vehicle that happens to be within the vertical (tongue) weight capacity of the hitch. By doing so, you may exceed the GVWR and/or GAWR of the motorhome.
- **Your motorhome chassis braking system is rated for operation at GVWR, NOT GCWR.** Any trailer or vehicle being towed by your motorhome must have adequate brakes as required by all state (or province) and local regulations for towing with your motorhome, including areas you may be traveling through. **Failure to follow the towing guidelines may result in property damage or injury.**

ENTRANCE STEP See page 23

LOOK BEFORE ENTERING OR EXITING YOUR MOTORHOME!

- When opening the door from the outside, make sure you are not obstructing the path of the entrance step. Step deployment takes approximately two seconds. Keep hands and fingers clear while extending or retracting.
- **Look before you exit. Make sure the steps are fully deployed before exiting the motorhome.** Stepping on a partially extended step can cause damage to the step frame.
- Turning the ignition switch to the "ON" position while the vehicle is parked will cause the step to retract. Visually confirm the step is fully extended prior to exiting the vehicle.

ELECTRIC STEP WELL COVER See page 23

- Make sure there are no obstructions when operating the step well cover. To avoid personal injury, do not operate the step well cover when standing in the step well.
- Do not hold the switch for longer than it takes to extend or retract the cover. Doing so may result in damage to the motorhome.

SEAT BELTS See page 26

Seat belts should always be worn by anyone who drives or rides in this vehicle.

- Never use one seat belt for more than one occupant. Never carry more people in the motorhome than there are seat belts.
- Only seats equipped with seat belts are to be occupied while the vehicle is in motion. While traveling, do not occupy beds or any seats that do not have seat belts.
- Be sure to lock all doors before driving. Locking the doors and using the provided seat belts will minimize the risk of injury or ejection in an accident.
- If you are pregnant, consult your health care professional for advice on seat belt use.

VEHICLE DASH See page 26

Do not set anything on, or attach anything to, the instrument panel or dash. Do not attach anything to the steering wheel cover. Failure to follow these warnings may restrict the driver's visibility or cause an object to strike and injure an occupant in the case of a collision or sudden stop.

DRIVER AND PASSENGER SEAT See page 26

- Do not adjust the seat while driving. After adjusting the seat, make sure that it is locked in position. To ensure that the seat is locked securely, try to move the seat forward or backward without using the adjusting lever or button. Do not put packages, pets or other objects between the driver's and front passenger co-captain's seat.
- **Reclining seats:** to minimize the risk of personal injury in the event of a collision or sudden stop, always keep both the driver's captain and passenger co-captain seat backs in a nearly upright position while the motorhome is moving. The protection provided by the seat belts may be reduced significantly when the seat back is reclined. Reclining the seats while the motorhome is moving may result in serious injury.
- **Power seats:** keep hands and feet clear of the power seat while in operating the power feature.

WARNING

VEHICLE OPERATION WARNING

DELTA MOBILE 360 CAMERA SYSTEM **See page 27**

The driver is responsible to adequately check for obstacles by visually checking for objects around the vehicle, to maintain control of the vehicle, and to keep the vehicle operating in a safe manner. The Ramco 360° Camera System is not to be used as the sole method of checking the surrounding area for obstacles.

STEERING WHEEL AND COLUMN CONTROLS **See page 28**

Make sure the steering column is firmly locked in place before driving. Never adjust the steering column while the vehicle is moving. Do not use the cruise control when driving conditions do not permit maintaining a constant speed, such as in heavy traffic or on roads that are curvy, icy, snow-covered, slippery, or have a loose driving surface. Failure to follow this precaution could result in a collision or loss of vehicle control, resulting in personal injury or property damage.

EQUALIZER HYDRAULIC LEVELING SYSTEM **See page 30**

FAILURE TO ACT IN ACCORDANCE WITH THE FOLLOWING WARNINGS MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH!

- The leveling system is designed only for leveling the unit and should never be used to provide service for any reason under the motorhome such as changing tires or servicing the system. It is not recommended that you change a tire yourself.
- Check that potential jack contact locations are clear of obstructions or depressions.
- Keep people clear of the motorhome prior to turning the leveling system on and while the leveling system is in operation.
- Never expose hands or other parts of the body near hydraulic leaks. High-pressure oil leaks may cut and penetrate the skin causing serious injury.
- After starting the leveling cycle, it is important that occupants do not move around in the motorhome until the vehicle is level. Failure to remain still during the leveling cycle can affect the leveling jack system sensors.
- Never lift the wheels off of the ground when leveling the motorhome.
- Do not move the motorhome while the jacks are still in contact with the ground or extended. Damage to the vehicle could occur.
- Do not rely solely upon warning lights to determine the position of the leveling jacks. It is the operator's responsibility to check that all the leveling jacks are fully raised in the travel mode before moving the motorhome.

EMERGENCY STOPPING **See page 32**

For personal safety, always stand off the road and out of the way of traffic.

EMERGENCY TOWING **See page 32**

Never allow anyone under the RV while it is being lifted or towed.

CHASSIS AIR BAGS **See page 32**

Make sure the chassis air bags are completely filled before driving your motorhome.

VALID TRUELINE LEVELING SYSTEM **See page 31**

Failure to act in accordance with the following warnings may result in property damage, serious personal injury or death!

- The leveling system is designed only for leveling the unit and should never be used to provide service for any reason under the motorhome such as changing tires or servicing the system. It is not recommended that you change a tire yourself.
- Ensure all jack locations are clear of debris, obstructions or depressions.
- Keep people clear of the motorhome prior to turning the leveling system ON and while the leveling system is in operation.
- After starting the leveling cycle it is important that occupants do not move around in the motorhome until the vehicle is level. Failure to remain still during the leveling cycle can affect the leveling jack system sensors.
- Never lift the motorhome wheels off the ground when leveling the motorhome.
- Do not move the motorhome while the jacks are still in contact with the ground or extended. Damage to the vehicle could occur.
- Do not rely solely upon warning lights to determine the position of the leveling jacks. It is the operator's responsibility to check that all the leveling jacks are fully raised in the travel mode before moving the motorhome.
- **Failure to operate the vehicle without sufficient air pressure may cause damage or personal injury.**
- **Failure to power off the electrical system power and release air pressure may cause damage or personal injury.**

WARNING VEHICLE OPERATION WARNING

WHEEL LUG NUTS See page 32

Check and tighten the wheel lug nuts regularly to ensure they did not loosen during travel. Refer to your Chassis Guide for torque recommendations. Failure to tighten and maintain wheel lug nuts to the proper torque specification, could allow the wheels to come off while driving, resulting in serious injury or property damage in the event of a collision or loss of vehicle control.

TIRE PRESSURE MONITOR SYSTEM See page 33

The TPMS system monitors tire pressure and temperature but may not warn of sudden critical tire damage or blowouts from external factors. Promptly react to any warnings and address issues. Tires can fail due to reasons other than low pressure, high temperature, or overloading. Watch for unusual noises, vibrations, uneven tread wear, or bulges on tires. If any of these symptoms occur, have tires inspected by a professional immediately.

TIRE PRESSURE See page 33

Regularly check tire pressure before each trip to extend tire life. Refer to the Federal Certification label for the correct pressure. Under-inflation can cause tire failure, leading to loss of control, injury, or damage. Special trailer (ST) tires have a maximum speed of 65 MPH; exceeding this limit may result in accidents. Exceeding the tire speed rating may result in tire failure, which could lead to an accident causing serious injury or death.

CHANGING A TIRE See page 33

- The motorhome is very heavy. Raising the motorhome to replace the spare tire should only be done with extreme caution by a qualified technician. The vehicle could slip, causing personal injury or death. **DO NOT ATTEMPT TO DO THIS YOURSELF.**
- Do not use the hydraulic leveling jack system to support the motorhome while under the vehicle or changing tires. The hydraulic leveling system is designed as a leveling system only. Do not use the hydraulic leveling jack system as a jack or in conjunction with a jack. It is highly recommended that, should a tire change be required, it be performed by a knowledgeable, trained professional. **Attempts to change tires while supporting the motorhome with the hydraulic leveling jack system could result in damage to the motorhome and risk causing serious injury or death.**
- When replacing a tire, Replace it with a tire of the same size and specifications (refer to your Chassis Guide for assistance).

AWNINGS See page 33

Awnings must be closed (and secured) while the RV is in transit. Avoid arm assemblies while operating awning to prevent injury or property damage. Failure to obey this caution could result in injury and/or property damage.

CAUTION VEHICLE OPERATION CAUTION

TOWING BEHIND YOUR MOTORHOME See page 22

Do not install a frame equalizing type hitch on your motorhome.

ENTRANCE DOOR See page 24

Make sure the entrance door is completely closed and locked when traveling. Locking the door helps prevent it from opening unintentionally and keeps intruders from your recreational vehicle.

EQUALIZER HYDRAULIC LEVELING SYSTEM See page 30

- If the LOW VOLTAGE, ENGAGE PARK BRAKE, IGNITION ON or EXCESS SLOPE LEDs illuminate, you have an “error” condition that must be corrected prior to operating the jacks.
- Make sure suspension air bags have deployed after retracting jacks. Visually check front and rear wheel wells for clearance.

TIRES See page 32

Tire wear should be checked frequently. Once a wear pattern becomes firmly established in a tire it is difficult to stop, even if the underlying cause is corrected.

AWNING See page 33

Wind and rain can unpredictably damage awnings and RVs. Retract the awning if windy or rainy conditions are anticipated or when leaving the RV unattended for extended periods to avoid damage.

SECTION 5: SLIDEOUT SYSTEMS



ELECTRIC SLIDE ROOM(S)

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *See page 38* *& See page 38*

The mechanical components of the slide-out rooms operate on 12 volts DC.

Operating The Slideout Rooms

Each slideout is equipped with a separate control switch, located in the entrance door overhead control panel and on the touch screen control system.

To operate, ensure the Park Brake is set. Press and hold "EXTEND" on the control switch to extend the slide-out rooms. Release the switch immediately upon full extension. Press and hold "RETRACT" to retract the slide-out rooms. Again, release the switch upon full retraction.

If issues arise with extending or retracting, contact Customer Service or a reputable dealer service facility. **Do not attempt self-service.**

NOTE

Before deploying the leveling jacks, extend the slide-out rooms with fully inflated air suspension and ensure the wheels are straight. Failure to straighten the wheels before releasing air from the airbags can result in damage to the fenders and/or tires, necessitating costly repairs. Avoid releasing air from the airbags unless the wheels are straight to prevent damage

⚠ WARNING ⚠ SLIDEOUT SYSTEMS WARNING

ELECTRIC SLIDE ROOM **See page 38**

Ensure the interior slide-out path and the room itself are clear of people and objects before operation. Avoid the slide rails and gear assembly during movement to prevent pinching or catching on loose clothing, which could cause injury. Failure to comply may result in serious injury or death.

⚠ CAUTION ⚠ SLIDEOUT SYSTEMS CAUTION

ELECTRIC SLIDE ROOM **See page 38**

When using your slide-out room:

- Do not overextend or retract. Release the switch immediately once fully extended or retracted to prevent damage.
- Avoid placing excessive weight to prevent malfunctions and damage.
- Do not use additional support jacks; they may cause harm.

SECTION 6: ELECTRICAL



THE ELECTRICAL SYSTEM

⚠ WARNING ⚠ *See page 46*

The RV electrical system consists of two independent systems: one operates on 12-volt DC power and the other on 120-volt 60hz AC power. All installations adhere to industry standards applicable at the time of manufacture. As the electrical equipment and associated circuitry are specifically engineered for your RV, refrain from making unauthorized changes or adding fixed appliances, as these alterations may lead to hazardous conditions.

Service and modification of the electrical system should be carried out exclusively by qualified electrical technicians using approved materials, components, and methods that meet current safety and code requirements. For assistance, consult your dealer's service department.

For further details on the various components integrated into the RV electrical system, please refer to the information provided in your Customer Information Packet. Consult the Chassis Guide for information pertaining to the chassis drivetrain electrical system.

Electrical System Maintenance

Before working on the electrical system:

- Make sure the inverter/charger (if equipped) is turned "off" before disconnecting batteries.
- Disconnect the shore power cord.
- If equipped with a generator, turn off the generator and disable the automatic generator start functionality.
- Turn off the disconnect switch (if equipped).
- Turn off the 120-volt main circuit breaker.
- Disconnect the negative battery terminal from the battery.

POWER CUT OUT SWITCHES

Your motorhome features controls to deactivate power to specific areas, typically located in an exterior compartment.

LEVELING JACKS: Disables power to the hydraulic leveling system.

HOUSE POWER: Deactivates power to the Spyder/Firefly system (interior lights and shades), macerator, freezer, slideout control, etc.

BATTERY LINK: Turns off power to the emergency start or battery boost link between the engine and the house batteries.

GENERATOR & FENDER COMPT: Cuts off power to the electrical compartment under the driver side window and to the generator.



Breaker Switches

The top breaker disconnects the chassis batteries from everything except the solar panels.

- The bottom breaker disconnects the house batteries from the chassis batteries (leveling, generator, etc.).

FIREFLY SYSTEM

Your RV comes with a Firefly touchscreen coach control system, offering a straightforward interface for managing various features or systems, though your specific model may not include every option. The touchscreen controls the following systems/components:

- Tank monitors
- Battery voltage for both house and chassis batteries
- Lighting (interior and exterior)
- Generator operation (start, stop, prime, and preheat)
- AC and DC Power
- Water Pump and Water Heater
- Heating, Air Conditioning, and vent fans
- Awnings and Slide-outs
- Settings for the touchscreen (background, etc.)

The touchscreen system may need occasional updates or downloads. Device age or hardware changes could affect its ability to accept or install updates. If notified of an available upgrade, contact Fire Fly Integrations for details (http://www.fireflyint.com). Check the Settings screen on your touchscreen for version number information.

FIREFLY MULTIPLEX LIGHTS AND SHADES

The Spyder/Firefly multiplex system manages interior and exterior lighting, as well as power day/night shades in the RV.

Ensure the MAIN POWER switch at the stepwell is ON to activate the multiplex system.

Switch panels are backlit, with each switch lighting up when selected, indicating it is ON. Pressing the switch again turns it OFF.

Certain switch panels are wireless and use a coin cell battery, which may need replacement over time. Contact your dealer for maintenance on the switch panel.

TESTING THE CAMPSITE POWER CONNECTION

⚠ WARNING ⚠ *See page 46*

Before plugging in the recreational vehicle shore power cord, always test the campsite 120-volt power receptacle(s) for proper functionality. Use a digital multimeter or a dedicated circuit analyzer for testing. Dedicated circuit analyzers plug directly into the campsite power receptacle and test for open neutral, open ground, and correct polarity. If the ground monitor indicates 'reverse polarity' or an 'open ground', DO NOT connect the power cord.

Inspect RV power cords for cuts, cracks, and worn insulation. If any of these symptoms are noticed, replace the power cord immediately.

Connecting The Power Cord

To prevent power surges from damaging connected loads, follow these instructions when hooking up to the external power source:

1. Turn off the load center main 120-volt circuit breaker and the breaker at the external power source, if available.
2. Align the pins on the plug with the RV power connector and fully plug the RV end of the power cord into the RV power connector.
3. Rotate the power cord end locking mechanism clockwise by hand until the rotation stops. Avoid over-tightening.
4. Extend the entire length of the power cord from the RV electric connector to the external power source.
5. Fully plug the power cord into the receptacle at the power source, ensuring all power cord prongs are correctly aligned into the receptacle.
6. Turn on the load center main circuit breaker in the RV and the breaker at the external power source.

When ready to leave, reverse the power cord connection process. Grasp the plug to remove the power cord from the outlet; avoid unplugging it by pulling on the cord.

INVERTER/CHARGER

⚠ WARNING ⚠ *See page 46*

Your motorhome features a 12-volt DC to 120-volt AC inverter/charger for running selected 120-volt appliances from house auxiliary battery power.

For complete detailed operation and safety information refer to the manufacturer's owners guide found in your Customer Information Packet. Follow all safety information displayed in the manual.

Operating Instructions:

- Locate the inverter/charger between the chassis frame rails in the cargo storage area. Control it from the touchscreen.
- 120-volt circuit breakers protecting inverter/charger output circuits are positioned in the driver's side overhead. Labeling indicates which appliances can use inverter/charger power.
- The inverter/charger produces a pure sine wave type of 120-volt AC output, suitable for most appliances and tools.

Dual Functionality:

- Acts as a multi-stage 12-volt power converter/battery charger when connected to 120-volt shore power or when the generator is running. It charges the house auxiliary batteries and can also charge the chassis batteries.
- For automatic inverter operation during power outages, keep it in "ON" mode. It operates fully when connected to 50-amp 120-volt AC shore power or when the generator is running.

NOTE

The inverter is controlled through the Victron system. Refer to the touch screen user guide in your warranty packet or online at victronenenergy.com for detailed instructions.

Battery Charging:

- **Automatically senses battery condition and applies the appropriate charging profile.**
- **In case of complete battery discharge, manually initiate charging by briefly turning the chassis ignition key to the "on" position**
- **Leaving the inverter/charger in the "on" position when the motorhome is in prolonged storage (no 120-volt AC shore power connected) will drain the auxiliary batteries despite appliances being turned off.**
- **Defective batteries may fail to charge or hold a charge.**

Fault Conditions:

- **Certain conditions such as high or low battery, power overload, inverter overheating, or internal faults can cause the inverter to shut down.**

NOTE

High battery voltage may be caused by excessive or unregulated voltage from solar panels and/or other external battery charging sources.

Circuit Protection:

- **The inverter/charger and its 12-volt wiring are safeguarded by a replaceable high current fuse, usually near the auxiliary battery bank.**
- **The 3000-watt inverter/charger is protected by a 400-amp fuse.**
- **Integral 120-volt AC circuit breakers on the inverter/charger metal case trip in overload conditions and need to be reset after correcting the overload.**

12-VOLT DC SYSTEM

Your motorhome's lighting and various components operate on 12-volt electricity. The system functions under the following conditions:

House Battery Power: Interior 12-volt components, including lighting fixtures, water pump, motors, and appliances, are powered by the house batteries.

Shore Power Connection: When the shore power cord is plugged into a 120-volt external source, the system receives 12-volt DC power, often resulting in the charging of house batteries.

Chassis Engine Running: Power is supplied by the chassis alternator while the engine is running.

12-Volt Fuse Panel

⚠ WARNING ⚠ *See page 46*

The fuse panel, located in the load center, is labeled for easy identification of fuse sizes, positions, and powered components.

Replacing a Fuse

1. Turn off the electrical components protected by it.
2. Disconnect the shore power cord and ensure the inverter is OFF.
3. Remove the fuse panel cover and pull out the fuse.
4. Insert a new fuse of the same voltage, amperage rating, and type.

The fuse panel label should be kept permanently affixed to your RV. Fuses will not offer complete protection of the electrical system in the event of a power surge or spike.

12-Volt DC Outlet

⚠ WARNING ⚠ *See page 46*

Your RV may feature one or more 12-volt DC power outlets. Ensure any electric appliance used with the outlet operates on 12-volt DC power and consumes less than 60 watts (5 amps).

BATTERIES

⚠ WARNING ⚠ *See page 46*

House Batteries

Batteries play a crucial role in your motorhome's electrical system. The house batteries receive charging through two primary methods: when the motorhome is plugged into 120-volt shore power or when the generator is running, the inverter/charger functions as a battery charger.

Additionally, the chassis alternator charges the house batteries when the engine is running and the chassis batteries are sufficiently charged. Monitoring the battery voltage is essential; fully charged batteries typically show 12.65 volts DC, while discharge begins at 11.89 volts DC.

See the Chassis Guide for information on the chassis batteries and the drivetrain electrical system.

Dry Camping

During dry camping, it's imperative to use electric appliances sparingly to avoid deep discharge of the house batteries. Excessive power draw, especially under heavy loads from the inverter/charger, can damage the batteries. Therefore, it's essential to be cautious with power usage during dry camping trips.

Battery Inspection and Care

Regular inspection and care of the batteries are necessary to ensure their longevity and optimal performance. The batteries are sealed AGM types, maintenance-free, but it's essential to periodically inspect them for external damage, such as cracks in the cover and case. During storage periods, it's recommended to turn off the battery disconnect switch or disconnect the negative battery cables to prevent discharge.

Battery Replacement

When replacing house batteries, it's crucial to use deep cycle batteries of the same size and type. Consult the Chassis Guide for guidance on chassis battery replacement. The battery disconnect solenoid switch, located near the entrance door, is responsible for disconnecting house batteries. When activated, the indicator light illuminates to indicate its status.

Battery Isolation Manager



Battery Disconnect Switch

The motorhome is equipped with a Battery Isolation Manager (BIM) to monitor and manage chassis and house battery voltages to prevent overcharging or depletion. In emergencies, the manual override "Battery Boost" switch can start the engine or generator if the batteries are discharged. If the batteries are too discharged for this method to work, they need to be recharged using the on-board converter or by connecting to shore power.

NOTE

The combination carbon monoxide/propane alarm is connected to a constant 12-volt power source. The carbon monoxide/propane alarm remains operational when the battery disconnect solenoid switch, or "main power switch," is in the "OFF" position.

AUTOMATIC TRANSFER SWITCH (ATS)

Your motorhome comes with an Automatic Transfer Switch (ATS) featuring built-in reverse polarity protection. Controlled by a microprocessor, the ATS automatically detects the power source being used, whether it's the generator or shore power. This eliminates the need to manually plug and unplug power sources when switching between them.

When connected to shore power, the ATS channels power to the motorhome. If the generator is started, it takes precedence over shore power (known as generator dominant mode) and supplies electrical power to the RV. Once the generator is turned off, shore power is restored seamlessly.

During the transition between power sources, such as when switching from shore power to the generator, there may be a slight flicker in the lights, but there is no significant interruption of power. The ATS also safeguards against low-quality power by disconnecting from shore power if the incoming power is of insufficient quality, such as low or high voltage/frequency.

When the generator is running, it powers the inverter/charger, which acts as a multi-stage battery charger to charge both the house auxiliary and chassis batteries.

For troubleshooting and safety guidance, refer to the manufacturer's troubleshooting guide included in your warranty packet and follow the provided instructions diligently.

NOTE

The generator requires 12-volt power from the house auxiliary batteries to start, and draws fuel to operate from the chassis fuel tank. If the fuel level in the chassis fuel tank drops to or below ¼ full, the generator will shut "off" and cannot be re-started until the fuel tank is filled to above ¼ full. Use the prime function to clear air from the fuel lines.

120-VOLT CIRCUIT BREAKERS

⚠ CAUTION ⚠ *See page 47*

The 120-volt AC circuit breakers located inside the load center protect all 120-volt wiring and components from circuit overloads and short circuits. Should a circuit overload or short circuit occur the circuit breaker protecting the affected circuit will "trip" preventing the flow of electricity through that circuit.

If a circuit breaker trips, shut off the appliance on that circuit (i.e., power converter, etc.) and allow the circuit breaker to cool down for a brief period of time. After it cools down, reset the circuit breaker by moving its lever "off" and then back to the "on" position. If the circuit breaker re-trips or frequently trips, contact your dealer to have the electrical problem diagnosed and repaired.

A circuit breaker identification label is permanently attached to the inside surface of the 120-volt Load Center.

Replacement

⚠ WARNING ⚠ *See page 46*

Only replace circuit breakers with those of the same specified type, voltage, and current rating. **Never replace a circuit breaker with one listed at a higher amperage rating.** Please contact your dealer for repair assistance when replacing circuit breakers.

Maintenance

At the beginning of the camping season, inspect the circuit breakers and replace as needed. Test by turning each circuit breaker "off" and back "on". Circuit breakers are wearable parts and must be replaced as needed as part of your RV maintenance. If you have any questions, contact your dealer.

A label is provided to explain the function of every 120-volt circuit breaker. This label is located on or near the appropriate load center or sub-panel and must remain permanently affixed to the recreational vehicle.



APPROXIMATE ELECTRICAL LOAD RATINGS

12 VOLT SYSTEM	
Exterior Entertainment Center	5-7 AMPS
Fan	1.5 AMPS
Furnace	12.0 AMPS
Generator Start	95.0 AMPS*
Illuminated Switch	.125 AMP
Inverter	variable
Leveling System	95.0 AMPS*
LP Detector	.125 AMP
Light; LED	1.7 AMPS
Light; Vanity	4.2 AMPS
Lights; Aisle	1.0 AMP
Lights; Baggage Compartment / Shower	1.4 AMPS
Lights; Decorative Wall / Map / Porch	1.5 AMPS
Lights; Double -12”	2.0 AMPS
Lights; Double -18”	2.5 AMPS
Power Awning	10.0 AMPS*
Power Vent	5.0 AMPS
Step Cover	10.0 AMPS*
TV Plate/Antenna Booster	1.0 AMP
Water Heater	6.0 AMPS
Water Pump	7.0 AMPS

*Momentary Load

12 Volts: Labeled watts divided by 12 = Power consumed in AMPS

120 VOLT SYSTEM	
Air Conditioner	18 AMPS
Coffee Maker	6-12 AMPS
Converter (each)	8 AMPS
DVD System	3 AMPS
Fireplace	15 AMPS
Hair Dryer or Curling Iron	10-14 AMPS
Microwave	15 AMPS
Refrigerator	6 AMPS
Satellite Receiver	2 AMPS
TV	2-4 AMPS
Vacuum Cleaner	8 AMPS
Washer/Dryer	12 AMPS
Water Heater	12 AMPS

120 Volts: Labeled watts divided by 120 = Power consumed in AMPS

120-VOLT 50 AMP AC ELECTRIC SYSTEM

⚠ WARNING ⚠ *See page 46*

The 50 AMP 120-volt 60hz AC electrical system is powered by an outside 120/240-volt 60hz utility service or 120/240-volt 60hz generator power, operating on 2 legs of 120-volt power at a maximum current flow of 50 amperes per leg. Deviations from the nominal 120-volt voltage will damage or shorten the service life of the electrical system and appliances.

Appliances such as air conditioners, refrigerators, microwaves, televisions, home theater systems, water heaters, washers, dryers, fireplaces, electric stoves, and those plugged into convenience receptacles will only operate when connected to 120-volt power, creating a surge on the inverter.

50 AMP Power Cord

⚠ WARNING ⚠ *See page 46*

The 50 AMP external utility power cord, known as the “shore” power cord, mates with 50 AMP “shore” power receptacles found at campgrounds, continuously carrying the required 50 AMP current flow for each leg of the electrical system while establishing a crucial ground connection.

Before connecting the power cord, always test the external power source with a ground monitor to ensure safety. Inspect the shore power cord regularly for damage, and replace it immediately if any issues are detected.

Calculating 50 AMP Electrical Load (if equipped)

When connecting appliances, the total 120-volt power usage is limited to 50 AMPs per electrical system leg, totaling 100 amps. Overloading the recreational vehicle or campground electrical system may cause a circuit breaker “trip.” Individual appliance amperage ratings can be calculated by dividing the appliance’s wattage by the nominal design voltage (120 volts), e.g., 1200 watts divided by 120 volts equals 10 amps.

GENERATOR

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *See page 46 & See page 47*

Your motorhome features a diesel-powered generator that produces 120/240-volt power compatible with the motorhome’s electrical system, capable of powering the entire vehicle when shore power is unavailable.

Before Starting the Generator

1. Ensure the carbon monoxide detector is functional.
2. Turn off air conditioners and all other 120-volt appliances.
3. Check for fuel, exhaust, and coolant leaks; **immediately halt generator operation if any leaks are detected.**

Transfer switch

For more information, see the Automatic Transfer Switch (ATS) section.

NOTE

The diesel generator requires 12-volt power from the house auxiliary batteries to start, and draws diesel fuel to operate from the chassis fuel tank. If the fuel level in the chassis fuel tank drops to or below 1/4 full, the generator will shut off and cannot be re-started until the fuel tank is filled to above 1/4 full.

Maintenance

During periods of extended storage:

1. Consider adding a diesel fuel additive to the chassis fuel tank to prevent algae growth (only applicable to diesel-fueled generators).
2. Completely fill the chassis diesel fuel tank to prevent water condensation and rust (only applicable to diesel-fueled generators).
3. Cover the generator exhaust pipe end with a screen to prevent insect and rodent intrusion.

All service work beyond basic maintenance tasks should be conducted by authorized repair facilities to prevent damage to the generator and electrical appliances. Adhering to the generator owner's manual for maintenance intervals and recommendations is crucial.

Regularly exercising the generator during storage periods is vital to maintain its optimal performance and prevent moisture buildup in the fuel system. Refer to the generator owner's manual for detailed operation and maintenance guidelines.

STARTING THE GENERATOR

To initiate manual startup of the generator, locate the controls either on the touchscreen or via manual switches near the door area, as well as a secondary switch directly on the generator unit itself.

To Manually Start the Generator

1. Press and hold the start portion of the switch for up to 15 seconds until the generator begins running, and then release the switch.
2. An LED indicator above the start switch will illuminate to signify that the generator is operational.
3. It's advisable to allow the generator engine to warm up for approximately two minutes before activating any 120-volt appliances, especially in colder weather conditions.

For more comprehensive details regarding generator operation and maintenance, it's recommended to refer to the manufacturer's owner's manual.

Automatic Generator Start (AGS)

Your motorhome model may also feature an Automatic Generator Start system (AGS), which is integrated into the touchscreen controls. Once activated, the AGS automates the process of starting and stopping the generator based on pre-defined parameters set by the user or factory defaults. To configure and utilize the Automatic Generator Start functionality, consult the AGS Start section or refer to the Touch Screen User Guide provided in your warranty packet for detailed instructions.



GENERATOR SLIDE TRAY

⚠ CAUTION ⚠ *See page 47*

Your motorhome features a pneumatic power slide mechanism designed to extend and retract the generator. Located in the fender fuse compartment below the driver side window, the switch controls the extension and retraction of the power slide tray.

Before activating the mechanism:

1. Ensure there is a clear path of at least 3 feet forward of the motorhome, and engage the parking brake.
2. Check the air gauges on the chassis dash panel to verify there is a minimum of 90 pounds of air pressure. If needed, start the chassis engine to build up air pressure, and then turn it off once the desired pressure is achieved.
3. To extend the generator slide, press the ignition button to turn it to the ON position. The switch is momentary, requiring you to press and hold it in the EXTEND position to open the generator slide. Releasing the switch halts the movement, but pressing EXTEND again resumes the opening process. Release the switch once the slide is fully extended.



Retracting The Generator Slide:

Keep clear of the generator and slide mechanism during retraction.

1. With the ignition turned to the ON position, press and hold the switch in the RETRACT position.
2. The slide will begin closing, stopping if the switch is released during this process. Release the switch once the slide is fully retracted, and then turn OFF the ignition key.

For additional information consult your dealer or contact Customer Service.

POWER CORD REEL

⚠ WARNING ⚠ *See page 46*

The motorhome is equipped with an electrically powered cord reel for managing the shore power cord. To extend the cord, simply pull it off the cord reel. Once extended, connect the cord to the campground shore power receptacle.

When disconnecting and stowing the shore power cord, ensure it is safely disconnected first. Then, utilize the switch to rewind and stow the cord back onto the reel. For comprehensive safety guidelines and instructions, refer to the manufacturer's product manual provided with your warranty packet.

SOLAR PANEL

⚠ CAUTION ⚠ *See page 47*

Solar panels installed on your motorhome harness sunlight to produce 12-volt DC electricity. This energy is then utilized to charge both the house auxiliary and chassis batteries.

Controller

The controller manages the charging process for two battery banks: the house and chassis batteries. It features a status LED that indicates battery connectivity and allows for adjustments to charging and operating parameters through the Firefly touchscreen interface. For more detailed guidance, consult the manufacturer's operation manual included in your warranty packet.

Maintenance

Regular maintenance of the solar panel is essential for optimal performance. Clean the upper surface of the panel regularly using a soft cloth or sponge with water and a mild detergent. Avoid using harsh chemicals or abrasive brushes that could potentially damage the panels' upper translucent surface. For further information, refer to the manufacturer's manuals provided for the controller and monitor.



WARNING

ELECTRICAL WARNING

ELECTRICAL SYTEM See page 39

Use caution when using metal tools. If a tool contacts a battery terminal or metal connected to it, a short circuit could occur which could cause personal injury, explosion or fire.

INVERTER/CHARGER See page 40

The inverter/charger generates heat while operating and needs unrestricted air flow for proper cooling. Do not store anything around or on top of the inverter/charger that would restrict air flow around it.

TESTING CAMPSITE POWER See page 40

Before plugging in, verify polarity and grounding. Do not connect to outlets with reverse polarity, faulty ground, or signs of heat damage. Miswiring risks RV damage or injury. Avoid cheater plugs, improper adapters, or extension cords. Ensure the cord is fully extended to prevent overheating. Owners must confirm proper receptacle wiring and grounding to avoid hazards. **Reverse polarity and/or improper grounding of your RV can cause property damage or serious personal injury.**

12-VOLT FUSE PANEL See page 41

Replacement fuses must be of the same voltage, amperage rating and type. **Never use a higher rated replacement fuse;** doing so may cause a fire by overheating the RV wiring.

12-VOLT DC OUTLET See page 41

Keep the protective dust cap on the 12-volt DC outlet when not in use to prevent intrusion of foreign material and potential short circuit conditions.

BATTERIES See page 41

Avoid storing items near batteries that could touch terminals, causing electrical hazards. Keep sparks and flames away to prevent explosions from hydrogen gas. Don't connect batteries to power sources exceeding 14.2 volts. Use ventilation during battery use or charging in enclosed spaces. Remove metal jewelry and wear eye protection when working near batteries. Avoid skin or eye contact with battery electrolyte to prevent injury or damage; flush with water if exposed. Turn off the inverter/charger before disconnecting battery cables. Keep batteries away from children's reach.

REPLACEMENT - CIRCUIT BREAKER See page 42

Replacement circuit breakers must be of the same voltage, amperage rating and type. Never use a higher rated replacement circuit breaker; doing so may cause a fire by overheating the RV wiring.

120-VOLT 50 AMP AC ELECTRIC See page 43

Ensure the power source is a correctly wired 50 AMP NEMA 14-50 RV receptacle, not 240 volts AC. Only connect to 50 AMP service. Note: Circuit breakers and fuses may not fully protect against power surges or voltage spikes

50 AMP POWER CORD See page 43

Before connecting the power cord, ensure proper polarity and grounding. Avoid using cheater plugs, adapters, or extension cords that alter AC power configuration. Never connect to ungrounded outlets or modify the plug. Using improper extension cords can overheat and damage equipment. Owners must ensure receptacles are correctly wired and grounded to prevent hazards. **Reverse polarity and/or improper grounding of your recreational vehicle can cause personal injury or death.**

GENERATOR See page 43

Never run the generator indoors or in confined spaces due to the deadly risk of carbon monoxide. Avoid using AGS AUTO ON or QUIET ON modes in such areas. These spaces can lead to asphyxiation or carbon monoxide poisoning. To minimize risks of injury or death from moving parts and electricity, always disable AGS (if equipped) before sleeping in the vehicle, parking it in a garage or confined space, storing it, servicing the vehicle, generator, batteries, appliances, electrical systems, or fueling the vehicle

POWER CORD REEL See page 44

Before connecting shore power, consider turning off electrical power at the source or the unit main breaker. Please note that damage to electrical components resulting from electrical spikes, improper ground, or polarity is not covered by your recreational vehicle warranty. It's strongly recommended to use an aftermarket surge protecting device between the unit shoreline and the electrical source

CAUTION

ELECTRICAL CAUTION

120-VOLT CIRCUIT BREAKERS See page 42

Circuit breakers and fuses will not offer complete protection of the electrical system in the event of power surge or voltage spike.

GENERATOR See page 43

Excessive usage can overheat and damage the generator starter motor. Do not engage the starter motor for more than 20 seconds at a time. If the generator does not start after the first attempt, wait at least two minutes before beginning another start sequence. If the generator does not start after a third attempt, refer to the generator owner's manual for additional information.

GENERATOR SLIDE TRAY See page 44

Ensure the ignition key is turned ON to extend or retract the generator slide tray. Keep clear of the generator and slide mechanism during extending or retracting. Note that the slide is held closed with air pressure when the engine is running. If the slide is not closed completely, there's a risk of it being pulled closed by air pressure when the engine is started. Avoid placing fingers and hands near the slide if it's not closed completely. Always retract the slide completely using the switch in the fender fuse compartment. Additionally, do not use the generator slide tray for storage.

SOLAR PANEL See page 45

Adding additional solar panels or equipment will affect the carrying capacity of the motorhome. Vehicle weight ratings should be considered before adding these components.

SECTION 7: FUEL SYSTEM



EXHAUST GAS FUMES

⚠ WARNING ⚠ *See page 49*

To prevent inhalation of exhaust gases, adhere to these precautions:

- Avoid running the engine in confined spaces like closed garages for longer thancessary.
- Keep windows closed while driving or running the generator (if equipped) to prevent the intake of harmful exhaust gases.
- If you suspect exhaust fumes inside the passenger area, promptly identify and rectify the issue.

In case of unavoidable driving under these conditions, shut all windows and adjust the heating or cooling system to circulate outside air into the motorhome. A well-maintained ventilation system and active carbon monoxide detector offer optimal protection against carbon monoxide infiltration. Ensure proper operation of the motorhome ventilation system by keeping ventilation inlet grills clear of obstructions like snow or leaves at all times.

Maintenance

It's advisable to have the exhaust system and vehicle body inspected by a qualified motorhome service center:

- Each time the engine undergoes an oil change.
- Whenever there's a change in exhaust sound.
- If there's any damage to the exhaust system, underbody, or rear of the vehicle.

For more information refer to your Chassis Guide.

DIESEL FUEL AND FILL

⚠ CAUTION ⚠ *See page 49*

Understanding the hazards associated with fuel is crucial for safe usage. Use only diesel fuel, as both the diesel generator and Aqua Hot system rely on it, sharing the same fuel system as the motorhome chassis engine. When selecting fuel, consider the requirements of both the generator and Aqua Hot system.

DEF Fluid

Diesel engines require the use of Diesel Exhaust Fluid (DEF) to facilitate the combustion of particulate matter in the exhaust, reducing emissions to nitrogen and water. DEF is stored in a separate heated tank, typically identifiable by a blue cap labeled "DEF," located in an exterior compartment. Dashboard warnings will alert you before running out of DEF fluid. If the vehicle exhausts DEF fluid, engine power is intentionally reduced, limiting speed to 5 MPH until the tank is refilled.

NOTE

Your motorhome is equipped with an Aqua Hot Heating system fueled by the chassis diesel tank. Consider the system's fuel consumption when planning your fuel supply. The Aqua Hot system's fuel feed is strategically positioned in the fuel tank to ensure remaining fuel for operating the motorhome even after the system is exhausted. For further details, consult the Aqua Hot owner's manual.

Refer to the diesel generator and chassis manufacturer's guidelines to determine the most suitable diesel fuel for this dual application.

FUEL SAFETY

DANGER WARNING *See page 49 & See page 49*

Fuel Selection

When selecting fuel, consult both the generator and chassis manufacturers' information to determine the most suitable type for this dual application, as some generators share the fuel system with the chassis engine.

Fuel Fill Cap

When handling the fuel fill cap, cautiously remove it by slowly turning it counterclockwise, listening for any hissing noise to stop before unscrewing it completely. When closing the fuel fill cap, securely turn it clockwise until you hear clicking sounds.

Filling The Fuel Tank

Exercise caution while fueling your motorhome to avoid spills. Promptly clean up any spilled fuel to prevent damage to the motorhome's paint or other surfaces, as fuel can dull or soften paint and harm other materials.

DANGER — FUEL SYSTEM DANGER

FUEL SAFETYSee page 49

All pilot lights, appliances and their igniters should be turned off before refueling of motor fuel tanks.These can cause ignition of flammable vapors, which can lead to a fire or explosion. **Failure to comply could result in fire, death or serious injury.**

FILLING THE FUEL TANK See page 49

Do not bring or store fuel or other flammable liquids inside the motorhome as a fire or explosion may result. Always shut off the engine while refueling. Before refueling, extinguish all smoking materials and any open flames and be sure to turn off all spark producting appliances (i.e. water heaters, furnaces, etc.). Do not overfill the fuel tank(s). Overfilled tanks may cause leakage and lead to fuel spray and/or fire. Fuel spills represent a serious hazard and should be cleaned up immediately. Never restart an engine or re-light any pilot lights while raw fuel is present. **Failure to comply could result in fire, death or serious injury.**

WARNING — FUEL SYSTEM WARNING

EXHAUST GAS FUMES See page 48

Avoid inhaling exhaust gases as they contain carbon monoxide, which is a potentially toxic gas that is colorless and odorless. If you are in a parked motorhome with either the engine running or a generator running there is a potential for exhaust fumes to filter back into the motorhome.

FUEL FILL CAP See page 49

Do not replace the fuel fill cap with one of a different type. Only use a cap specified for your motorhome. Use of a substitute cap may create excessive fuel system pressure, resulting in fuel station damage and improper operation in a collision.

CAUTION — FUEL SYSTEM CAUTION

DIESEL FUEL AND FILL See page 48

If you spill fuel on the motorhome, clean it up immediately. Fuel can dull or soften paint and damage other surfaces.

SECTION 8: PLUMBING SYSTEM



PLUMBING SYSTEM

Your motorhome features two distinct water systems:

Fresh Water System: This comprises the fresh water holding tank, faucets, connections, water pump, water heater, water purification system, tub/shower and outside shower.

Waste Water System: This includes the wastewater and sewage holding tank(s), drains, and toilet.

Maintenance of the Plumbing System:

Before each trip or vehicle storage, check all fittings, both pressure and waste, for leaks as part of regular maintenance.

- Inspect faucets, sink connections (including drain baskets or filters), and the water purification system.
- Check connections at the water pump and water heater if equipped.

At the end of each trip, drain any unused water from the fresh water system.

Some drain valves may be inside the vehicle, so once you find the exterior label, locate the corresponding drain inside.

For detailed operating, sanitizing, and winterizing instructions for each water system component, refer to the manufacturer's operating manual included in your warranty packet.

MONITOR PANEL

Your motorhome comes with a tank monitor system, integrated into the touchscreen interface. This system displays tank levels as a percentage, ranging from 0% when empty to 100% when full. Vertical bars visually represent these percentages. The touchscreen includes a switch to operate the water pump directly from this screen.

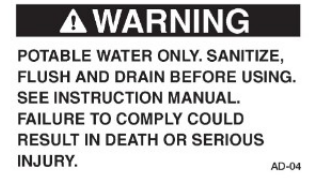
For detailed instructions on using the tank monitor system, consult the Firefly User Guide provided in your warranty packet or available online at http://www.fireflyint.com.

FRESH WATER SYSTEM

⚠ WARNING ⚠ *See page 61*

The fresh water system in your RV requires periodic sanitization to prevent odors and bacterial growth, especially with untreated well water. It's essential not to remove the potable water label from your RV.

Use a dedicated non-toxic drinking water hose solely for supplying fresh water to your RV. Prevent contact with the ground to minimize the risk of contamination.



Potable Water Label

NOTE

If needed, sanitize the water system prior to travel.

Water Pressure Regulator (customer supplied)

⚠ CAUTION ⚠ *See page 62*

Excessive pressure from the water supply source may be encountered in some parks, especially in mountain regions when using the fresh water inlet or black tank flush. Water pressure regulators are available to protect your recreational vehicles plumbing system against such high pressure.

Fresh Water Holding Tank

⚠ CAUTION ⚠ *See page 62*

Depending on your RV model, there are various methods to fill the fresh water tank. Refer to the **Utility Center** or **Water Connection** section for specific details on each method. The fresh water holding tank is equipped with plastic overflow tubes that permit water to flow out when the tank is filled. It's normal to observe water from these tubes occasionally, especially if the RV is parked on an incline or experiences motion during travel.

12-Volt Water Pump

The 12-volt water pump, also known as the demand pump, requires sufficient 12-volt DC power to operate when your RV is not connected to city water. Upon activation, it self-primes and delivers water until maximum pressure is reached and shuts off. The pump will restart automatically when it detects a drop in water pressure. It's designed for intermittent use only; continuous use or high pressure can reduce its lifespan, not covered by the warranty. Some cycling may occur depending on water volume.

NOTE

The water pump switches should be in the OFF position when the RV is left unattended for any amount of time.

Maintenance

Maintenance involves periodically checking the in-line water pump strainer for debris accumulation. To clean, turn off the pump, unscrew the clear cap, remove the metal strainer, clear debris, and reinstall. Regular maintenance includes checking and cleaning the strainer, sanitizing, winterizing, and inspecting plumbing hardware and fittings for tightness. Lack of sanitizing can lead to premature pump failure and poor performance due to scale buildup on the diaphragm and valves. Consult the pump manufacturer's owner's manual for more information on care and operation.

Water Pump Switch

The water pump switch typically illuminates when activated. Common switch locations include the back of the unit, the monitor panel, or as part of a touchscreen system if available. When the switch is turned on, the pump runs until it reaches 45 lbs. of pressure, indicated by a red light that remains illuminated.





Fig.1

UNIVERSAL DOCKING CENTER

The Universal Docking Center provides centralized access to your RV's plumbing functions, including:

1. Front Cap Water Hook-up
2. Canister Water Filter
3. Touchscreen Monitor Panel With Pump Switch
4. Black And Grey Tank Dump Valves (switches may be manual depending on model)
5. Switch Bank
   - Macerator ON/OFF Switch
   - Empty Tank Tilt
   - Utility Center Light Switch



6. City Water / Tank Fill valve
7. Fresh Water Connection Inlet (with short hose connected)
8. Black And Grey Tank Flush Selector
9. Black And Grey Tank Flush Inlet (See **Black & Grey Tank Flush**)
10. Hose Rewind Switch
11. Sprayer Outside Shower & Quick Disconnect Hose
12. Long Fresh Water Hose On A Reel
13. Drinking Water Shutoff Valve (refrigerator and drinking faucet)
14. Drinking Water Cartridge Filter Location (bypass tube in place)

Fresh Water Connections

At the exterior utility center, there are three primary fresh water connections:

- Fresh water connection inlet
- Black and grey tank flush (see **Black & Grey Tank Flush**)
- Clear hose for sanitizing or winterizing, located behind the large panel on the utility center

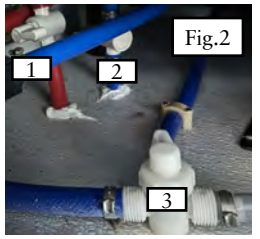


Fig.2

Behind the removable access panel, there are essential connections including:

1. Hot water line low point drain valve (Fig. 2 located on left side of utility center)
2. Cold water line low point drain valve (Fig. 2 located on left side of utility center)
3. Siphon valve with clear hose attached for sanitizing and winterizing (Fig. 2 located on the left side of utility center)
4. Water supply valve to canister water filter (Fig. 3 center of utility center)
5. Drain on floor of utility center (Fig. 4)
6. Macerator bypass dump valve (Fig. 4 located in center of utility center) (See **Black & Gray Tank Drain section**)

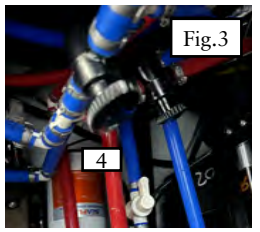


Fig.3

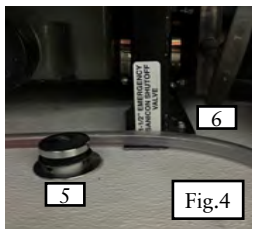


Fig.4

7. Water pump and strainer (Fig. 5 located at left wall of utility center)
8. **Water pump backflow valve.** Must be ON when using the water pump, **must be OFF when using city water.** If this valve is left ON when using pressurized city water to supply water to the water lines in the RV, it can backfill the fresh water tank through the pump causing the tank to overflow. When filling the water tank from a pressurized source, the valve can be ON or OFF. (Fig. 5)

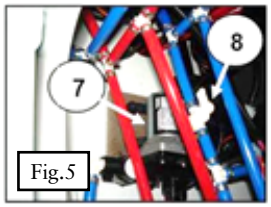


Fig.5

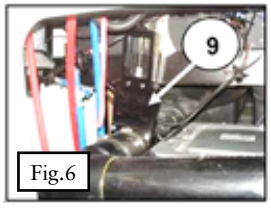


Fig.6

9. Macerator emergency cutoff valve (Fig. 5 located on left side of utility center) (See **Black & Gray Tank Drain section**)

WINTERIZING THE PLUMBING SYSTEM

⚠ CAUTION ⚠ *See page 62*

Preparing your motorhome for colder weather or storage is crucial to prevent freezing of water supply lines and the water heater. Repairs due to freezing are not covered under the motorhome's warranty.

Winterizing With Antifreeze

1. Close all faucets inside the motorhome, including the outside shower. Attach the shower hose to the outside shower quick connector.

NOTE
Appliances (refrigerator, dishwasher, or clothes washer) must be winterized. Refer to the appliance owner's manual for additional information or contact your dealer or customer service for assistance.

NOTE
The aqua hot water heater needs to be winterized with antifreeze. Aqua Hot requires the bypass valves be turned OFF, allowing antifreeze into water heater.

2. Close the fresh water tank drain and all other low point drains, including the hot/cold water line drain valves behind the utility center removable panel.
3. Ensure the long hose stored on the hose reel has its plastic cap secured.
4. Set the City Water valve to the vertical (city water) position.
5. Make sure the tankless water heater (Aqua Hot) bypass valves are in the NORMAL position.
6. Place the clear hose from the utility center into a container of RV antifreeze (approximately 2 gallons required).
7. Turn the siphon valve in-line with the clear plastic hose.
8. Turn the Pump Backflow valve ON and then turn the water pump ON. The antifreeze will be drawn into the water lines as each fixture is opened in the motorhome.
9. **Open each fixture (faucet, shower) one at a time to allow antifreeze to flow through, then close them.**

Completing the Winterizing Process:

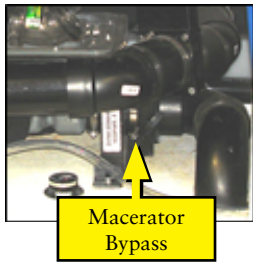
1. After all water lines and appliances have been winterized, turn the water pump OFF and disconnect the shower hose from the outside shower.
2. Turn the siphon valve away from the clear hose.
3. Open the drain valve on the fresh water tank and leave it open.
4. Add a cup of antifreeze to all drain P-traps.
5. Clean the clear hose and wipe any antifreeze residue from sinks, shower, and toilet using a soft, dry cloth.

Winterizing the Macerator System:

1. Ensure that all tanks are empty.
2. Pour RV antifreeze into the toilet and down into the black water tank.
3. Turn the macerator pump ON and run until antifreeze begins to discharge from the dump connector.
4. Turn the macerator pump OFF and drain the flex hose.
5. Open and drain the Macerator Bypass Valve as an added safety measure.

De-Winterizing the Fresh Water System:

1. Close the fresh water drain valve.
2. Fill the fresh water tank with fresh water and rinse RV antifreeze from each faucet or appliance.
3. Refill the fresh water tank using either the city water connection or direct fill from a water source.
4. Purge antifreeze out of the water lines by opening all faucets (including outside shower).
5. Turn off the pump, replace the canister water filter, remove the bypass tube, and replace the cartridge drinking water filter.



6. Sanitize the system as necessary.

De-Winterizing the Macerator Toilet:

1. Press either button to flush and return the toilet to normal condition.

By following these instructions, you can protect your motorhome's plumbing system from freezing and ensure it remains in good condition during the winter months.

SANITIZING THE PLUMBING SYSTEM

Sanitizing your motorhome's plumbing system is essential for maintaining water quality and preventing contamination.

When to Sanitize

- When your motorhome is new.
- At the beginning and end of each season.
- Every three months of use.
- If the water system becomes contaminated.

Preparing to Sanitize

1. Mix Chlorine Solution:
   - Combine 1/4 cup of household bleach with one gallon of water.
   - Prepare one gallon of solution for every 15 gallons of tank capacity.
   - This mixture will result in a chlorine concentration of 50 parts per million (ppm) in the water system. It should remain in the system for at least 4 hours.

NOTE

Fresh water tank sizes vary by model. Contact your dealer or customer service for your specific tank size.

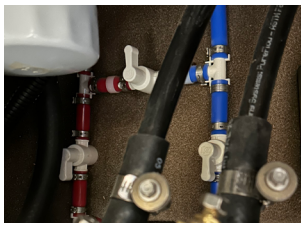
How to Sanitize

1. Turn Off the Water Heater:
   - Ensure the motorhome is level.
2. Drain the Fresh Water System:
   - Completely drain all the water from the system.
3. Close All Low Point Drains:
   - Includes the drains behind the utility center panel.
4. Prepare the Water Filter:
   - Turn off the water supply to the canister water filter.
   - Remove the filter cartridge and replace it with the provided blue bypass tube to prevent chlorine from entering the filters.

NOTE

Replace filters at the beginning of each season or if they have contacted contaminated water.

5. Fill the Fresh Water Tank:
   - Option 1: Use a water hose to fill the tank directly while monitoring the water level.
   - Option 2: Connect the fresh water hose to a pressurized water source at the utility center. Fill the tank without overfilling.



Aqua Hot Bypass valves shown in the normal position

6. Bypass the Aqua Hot Water Heater:
   - Set the bypass valves to the correct position to ensure the sanitizer bypasses the Aqua Hot water heater.
7. Activate the Pump:
   - Turn on the pump backflow valve behind the utility center panel.
   - Turn on the pump.
8. Open Faucets:
   - Open each faucet (kitchen, lavatory, shower, and outside shower) until water flows continuously and you detect a chlorine smell, then close the faucets.

NOTE

Ensure the shower hose is connected to the outside shower.

9. Sanitization Period:
   - Allow the chlorine solution to remain in the system for at least four hours.
   - Tip: Drive your motorhome a short distance to allow the solution to splash around all sides of the tank for thorough sanitization.
10. Drain the Chlorine Solution:
    - Completely drain the chlorine solution from the fresh water system.
11. Flush the System:
    - Refill the fresh water tank with clean water.
    - Open all faucets to flush out the water lines.
12. Final Drain:
    - Drain the fresh water system again to remove any remaining chlorine solution.
13. Final Refill:
    - Refill the fresh water tank with potable water.
14. Vinegar Solution (if needed):
    - If a chlorine taste lingers, flush the system with a solution of one quart of vinegar to five gallons of clean water.
    - Preparation for Vinegar Solution Flush:
      1. Remove the water filter.
      2. Ensure the bypass tube is in place.
      3. Turn off the drinking water valve at the cartridge filter.
      4. Bypass the Aqua Hot water heater.
    - Flush the system with the vinegar solution, then drain it completely.
    - Flush again with fresh water and refill the tank.
    - Replace the water filters and turn the drinking water valve back on.

By following these steps, you can ensure that your motorhome's plumbing system is thoroughly sanitized and safe for use.

AQUA-HOT HEATING SYSTEM

⚠ WARNING ⚠ *See page 61*

The Aqua-Hot system in your motorhome serves as both the water heater and heating system. It may be fueled from the chassis diesel tank(s), and fuel consumption should be considered when planning your fuel supply. The fuel feed for the Aqua-Hot system is positioned to leave enough fuel to operate the motorhome even when the Aqua-Hot system is exhausted. For detailed operation, refer to the Aqua-Hot owner's manual.

Engine Preheat System

The engine preheat system warms the motorhome's engine block, making it easier to start in cold weather. This system is controlled via the Firefly touchscreen, using the Aqua Hot burner switches. When activated, engine coolant circulates through the Aqua-Hot boiler tank, transferring heat to the engine coolant, which then warms the engine (Refer to the **Firefly User Guide** included in your warranty packet or online at http://www.fireflyint.com).

The "motor aide" feature uses the motorhome's engine to keep the Aqua-Hot boiler tank heated by circulating the engine coolant between the tank and the engine. This feature functions automatically as part of the engine preheat system.

Heating Overview

The Aqua-Hot system functions as both the water heater and heating system for your motorhome.

Water Heater Operation

1. **Select Heating Mode:** Turn on one of the heating modes (diesel or electric) on the Aqua-Hot switch.
2. **Ensure Power and Water:** Verify that the Aqua-Hot appliance has power and that the system contains water.
3. **Heating Time:** Allow sufficient time for the appliance to heat the water.
4. **Running Water:** Ensure the 12-volt pump is on or that the city water connection is hooked up with the supply faucet in the on position.

Activating the Aqua-Hot Heating System

Diesel Hot Water:

1. Turn the Aqua Hot Burner switch ON (located on the Vega Touch pad).
2. Allow 10-20 minutes for the system to reach operating temperature.
3. The diesel-burner is the primary heat source for both interior heating and domestic hot water during cool temperatures or high demand.

Electric Hot Water:

1. When connected to shore power or using the generator, turn the Aqua hot electric switch ON (located on the Vega Touch panel/touch screen).
2. Allow 1-2 hours for the system to reach operating temperature.
3. The electric heating element serves as a secondary heat source during moderate temperatures or low demand for hot water.

Both heating sources are thermostatically controlled to maintain the antifreeze and water heating solution between 160°F and 190°F (±5). Choose the desired heat source(s) and leave the switches ON.

Using the Domestic Hot Water System

When the Aqua-Hot is at operating temperature, it provides a continuous supply of hot water within seconds of opening any hot water faucet. The diesel-burner switch must be ON for continuous hot water (e.g., during showers). Activate the electric element switch for maximum hot water capacity. The "Domestic Water Priority System" disables the interior zone heating fans and pumps during continuous hot water use. Once the demand ceases, it resumes normal heating operations.

Heating Your Motorhome

Comfort Control Center

For detailed instructions, refer to the Vega Touch User Guide included in your warranty packet or available online at http://www.fireflyint.com.

1. **Set Desired Temperature:** On the Climate Control screen, set the desired temperature.
2. **Select Heating Mode:** Choose the heating mode on the Aqua-Hot control switch:
   - **Diesel Burner:** Provides more BTUs for heating in colder weather.
   - **Electric Heating Element:** Suitable for cool temperatures with lower heat demand.
   - **Engine Preheat Mode:** Circulates hot water through the system and can be used to heat the motorhome while in transit.
3. **Cold Weather Considerations:**
   - In very cold weather, use the Diesel Burner mode to bring the heating solution up to temperature.
   - The engine preheat mode will typically maintain a comfortable temperature in the motorhome.
   - In extreme cold, the diesel burner may be needed to supplement the heating provided by the engine preheat mode to adequately warm the antifreeze heating solution.

Zone Thermostat Operation

Interior Room Thermostat: Set each zone on the Comfort Control Center thermostat to the desired temperature. When a zone calls for heat, the circulation pump and interior heat exchanger fans activate to supply warmth. Ensure the Aqua-Hot is at operating temperature for the zones to function.

Tank Bay Thermostat: Adjust the thermostat for bay heating to a minimum of 40°F to prevent freezing of the domestic water storage system.

Refer to the Aqua-Hot Operational Flow-Chart in the Aqua-Hot owner's manual for additional information.

Maintenance (Aqua-Hot)

⚠ DANGER ⚠ ⚠ WARNING ⚠ *See page 61 & See page 61*

Monthly Maintenance: Check the antifreeze and water heating solution level in the expansion tank when the Aqua-Hot is at maximum operating temperature. The level should be at the "HOT" mark.

Replenishing the Antifreeze and Water Heating Solution:

1. Remove the expansion tank cap and fill to the "HOT" mark.
2. Open the air release valve to release air pockets, then close it by hand-tightening. Refill the tank if necessary.
3. Refer to the Aqua-Hot Owner's Manual for the correct antifreeze to water ratio, antifreeze type, and water quality recommendations.

Annual Maintenance:

Have the diesel-burner tuned-up annually, replacing the fuel nozzle and fuel filter as recommended in the Aqua-Hot Owner's Manual.

For spare parts and detailed replacement instructions, consult the Aqua-Hot service and parts manual.

Troubleshooting (Aqua-Hot)

For detailed troubleshooting information and error codes for your Aqua-Hot system, refer to the manufacturer's owner manual included in your warranty packet.

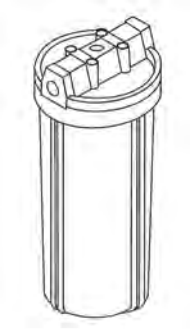
WATER PURIFICATION SYSTEM

⚠ CAUTION ⚠ *See page 62*

The canister filter is the primary filter for the RV's water system. If the system hasn't been used recently, flush it by running water for several minutes. Replace filters at the start of each camping season or if exposed to contamination. Store the filter cartridge away from freezing temperatures, as RV antifreeze can damage it. Filters are typically located behind the utility center.

Replacing the Canister Filter Cartridge

1. Turn Off Water Supply: Use the valves on both sides of the canister and ensure the water pump is OFF.
2. Prepare: Place a drip pan under the filter housing to catch spills.
3. Remove Old Filter:
4. Use a spanner wrench to unscrew and remove the filter housing.
5. Dispose of the old filter.
6. Clean Housing: Wash the inside of the housing with mild detergent, rinse, and dry.
7. Maintain O-Ring:
   - Clean and lubricate the O-ring with petroleum jelly.
   - Reinstall the O-ring properly.
8. Install New Filter: Place the new cartridge in the housing and hand-tighten.



Filter Housing

NOTE

There is no bypass feature on a canister style water filter. The water filter **must be removed before sanitizing or winterizing the** RV.

9. Check for Leaks:
   - Turn on the water supply and pump.
   - Open a faucet to check for leaks.
   - Turn the pump OFF.

Flushing the System

Before use, flush the canister water lines to remove RV antifreeze, then install the filter. Refer to the manufacturer's manual and filter label for details.

OUTSIDE SPRAYER

Your RV includes a handheld shower with hot and cold water for outdoor use. It is located either in a separate outside shower compartment or at the utility center (if equipped).

Using the Outside Sprayer

1. Preparation
   - Ensure the water heater is ON and has had sufficient time to heat the water.
   - If dry camping, ensure the 12-volt water pump is ON.
2. Operation
   - Remove the handheld shower from its holder.
   - Turn ON the hot and cold faucet knobs and adjust the water temperature as desired.
   - For models with a sprayer head attachment, turn ON the sprayer head to activate the shower.
3. Shutting Down
   - Turn OFF the hot and cold faucet knobs. The shower head lever will not completely stop the water flow to allow for draining.
   - Allow the water to drain from the shower head before returning it to the storage compartment. Any remaining water in the hose will drip out; this is normal.
   - If dry camping, turn OFF the water pump.

Turning off the water with the shower head lever can cause hot and cold water to mix through the faucet, which may reduce the hot water temperature and make it seem like the water heater isn't working properly. To ensure faster draining, you can remove the shower head from the hose, but be sure to reassemble it before storing. When putting the shower assembly back into the storage compartment, ensure the hose is not pinched and the shower head is positioned to avoid damage.

FAUCETS

The bathroom, kitchen, and outside shower faucets in your RV operate similarly to those in your home. When dry camping ensure there is sufficient water available and that the 12-volt water pump is turned ON before using them. There may be air in the water plumbing lines that needs to be bled out before a steady stream of water flows from the faucet.

BATHROOM SHOWER

⚠ WARNING ⚠ *See page 61*

When using the bathroom tub or shower, keep the water heater and holding tank capacities in mind, as used water will drain into the grey water holding tank. Ensure the water heater is ON and has had sufficient time to heat the water. If dry camping, make sure your 12-volt water pump is ON.

Unlike your home, the RV does not have a water pressure balance valve. Therefore, it is recommended to avoid using the fresh water system while someone is in the shower to prevent water pressure fluctuations.

Shower Faucet

The shower faucet may include a vacuum breaker, which serves two purposes:

- To prevent siphoning water through the hose from another fixture.
- To prevent water from being retained in the hose.

Note that the showerhead does not have a complete shut-off valve; the complete shut-off is at the faucet. The showerhead may drip slightly in the OFF position after use, which is normal and not indicative of a leak or defect.

Maintenance

For cleaning, refer to the manufacturer's user guide or label instructions. Use a mild detergent soap and warm water for cleaning. Do not use gritty or abrasive particle soaps or scouring compounds, as they can damage the ABS plastic. Avoid using "Citrus" or biodegradable cleaners containing "D-Limonene," as they will damage plastic materials.

SHOWER MISER

⚠ CAUTION ⚠ *See page 62*

The Shower Miser is a device in your RV's inside shower designed to conserve water, especially useful when dry camping with limited water in your fresh water tank and no access to an external water supply. It circulates water from the water heater back into the fresh water tank until the shower water reaches the desired temperature, preventing unnecessary water waste.



Operation

The Shower Miser consists of a small valve and a blue plastic "dot" below the shower handle:

Preheating Water:

- With the Shower Miser valve in the closed (OFF) position, cold water is directed back to the fresh water tank, and no water flows through the shower head.
- The blue "dot" will be dark blue, indicating cold water is circulating.
- When the water reaches the desired temperature, the blue "dot" turns white.
- Turn the Shower Miser valve to the open (ON) position and then turn on the shower valve to get hot water from the showerhead.

Conserving Water During Showering:

- While soaping, turn the Shower Miser valve OFF to redirect water back to the fresh water tank, maintaining its temperature.
- Turn the Shower Miser valve back ON to resume hot water flow for rinsing.

Filling the Fresh Water Tank

The Shower Miser can also fill the fresh water tank from inside the RV when connected to a pressurized water source:

1. Connect a pressurized water source to the RV and turn it ON.
2. Check the tank monitor for the current water level.
3. Turn the Shower Miser valve to bypass the showerhead (OFF).
4. Turn the cold water shower valve fully ON.
5. Monitor the tank level as it fills.
6. Once the tank is full, turn the cold water shower valve OFF.

NOTE

The Shower Miser system may vary depending on your model.

BLACK/GREY WATER SYSTEM AND TANKS

Water from the sinks and shower flows into the grey water (or wastewater) holding tank, while water from the toilet flows into the black water (or sewage) holding tank.

Drain Pipes with P-Trap (if equipped)

P-traps in the drain pipes help prevent odors from escaping into the RV. During travel, water from the P-traps may spill, allowing odors to escape. Adding water and using an RV-approved deodorizing agent will help dissolve contents faster and keep the drain lines and tanks clean and free-flowing. These chemicals are available at an RV supply store or from your dealer.

Drain Pipes with Dry Sealing Valve (if equipped)

Your RV may have a dry sealing valve that prevents odors from escaping and eliminates the need for P-traps. If the drain piping system becomes clogged, remove the dry valve before using a mechanical cleanout tool, as passing a tool through the waterless valve can damage the internal seal, potentially allowing sewer gases to escape. The waterless trap can be unscrewed from the water lines. A label near the waste valve provides additional information and reads as follows:

> REMOVE WATERLESS TRAP BEFORE USING MECHANICAL DRAIN CLEANING DEVICES

Sewer Hose Storage

Depending on your RV model, the sewer drain hose may be stored in an exterior compartment marked "Sewer Hose" or in the hollow square tube bumper with removable plastic end caps.



Waterless Trap

Vents

Vent pipes and vents release air from the grey and black water holding tanks. Most models have an exterior vent cap on the roof that must be kept clear of obstructions. Some models have a "wet vent" system where water flows downward as air flows upward in the same pipe.

⚠ CAUTION

Keep drain valve closed to minimize the presence of sewer gases.
Sewer gases may be present when RV is connected to campground sewage hookup.
May lead to illness or personal injury.

Black/Grey Water Holding Tanks

⚠ WARNING ⚠ **⚠ CAUTION ⚠** *See page 61 & See page 62*

Dump the grey and black water holding tanks before traveling to avoid unnecessary weight, as the contents are not calculated into the RV cargo carrying capacity. Traveling with full tanks could cause you to exceed tire ratings and/or the RV's GAWR or GVWR, potentially damaging suspension components such as springs, tires, and axles. If dry camping and unable to immediately empty the holding tanks, reduce vehicle speed until reaching a dumping station. When connected to a campground sewer drain line, keep the black tank drain valve closed until the holding tank is at least ¾ full to ensure complete draining. Repeat as needed.

Before using the RV or after dumping the grey and black water holding tanks, always add the proper amount of deodorant to the black water tank to prevent odors and help break down holding tank contents (unless winterizing). Follow the deodorant bottle or package instructions. Driving to a disposal site usually loosens any accumulated waste debris or solids from the sides of the holding tanks.

BLACK /GRAY TANK DRAINS AND MACERATOR SYSTEM (IF EQUIPPED)

Depending on your model, the grey and black tank drains (also called dump valves) may be located in the exterior utility center. These valves may have either an electric switch control or a manual handle. Always drain the black water holding tank first so the following grey water can help rinse any solids or debris from the dump outlet and sewer hose.

Macerator Pump System

⚠ WARNING ⚠ **⚠ CAUTION ⚠** *See page 61 & See page 62*

Your motorhome may be equipped with a macerator pump system to discharge waste from the grey and black waste tanks. This system includes a 1.5-inch diameter flexible hose that runs from the pump and attaches to a compartment on the exterior of the motorhome. The system can discharge waste (even uphill) up to 150 feet when powered on.

Using The Macerator System



Dump Station Connector



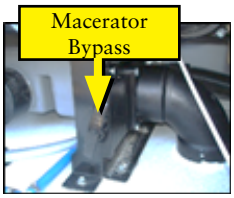
Garden Hose Connection

1. **Preparation**: Level the motorhome to make drainage easier
2. **Connection**: Open the hose compartment and pull out the 1.5-inch flexible hose with the attached dump connector. Attach the dump connector to the 3-inch sewer outlet at the dump station, or to a 3/4-inch garden hose and run the hose to a dumping location.
3. **Drain Sequence:**
   - **Black Tank**: Empty the black tank first.
     - **Electric System**: Press the black tank drain switch to open the **valve. Press again to close. (Cornerstone Only)**
     - **Manual System**: Pull the black tank T-handle to open the valve. Push in to close. (Anthem and Aspire Only)
   - Turn the macerator power switch ON at the utility center panel to start the pump. Ensure the sewer hose is connected before turning the macerator on.
   - When the tank is empty, turn the macerator power switch OFF and close the black tank drain valve.
   - **Grey Tank:** Select the grey tank drain valve and repeat the process.
4. **After Draining**: Unhook the dump connector, rinse it out, and store the hose and connector back into the storage compartment.

The black tank flush inlet can also be used with this system (refer to the Black Tank Flush section).

Macerator Bypass Valve

If the macerator pump malfunctions, use the macerator bypass valve. This valve may be located in the utility center, in the compartment with the black/grey tank valves, or under the motorhome (accessible through the generator compartment). The bypass dumps waste using gravity flow.



To Operate:

1. Attach a 3-inch sewer hose to the bypass connection and to a sewer outlet at a dump station.
2. Empty the tanks one at a time:
   - **Black Tank**: Pull the black tank dump valve, then open the macerator bypass valve to empty by gravity flow. Close both valves after emptying.
   - **Grey Tank**: Repeat the process for the grey tank.
3. After draining, ensure all valves are closed, disconnect the sewer hose, and clean and store the hose. Replace the dust cap on the macerator bypass.

The black tank flush inlet can be used with the macerator bypass (refer to the Black Tank Flush section).

Macerator Emergency Cutoff

The macerator system includes an emergency cutoff valve to stop the flow of waste through the flexible 1.5-inch macerator hose. The valve is located at the back of the utility center. For normal operation, the handle should be UP. To engage the cutoff, push the handle DOWN.



Macerator Cutoff Normal Position

Refer to the macerator manufacturer's owner manual for additional information on operation, safety, troubleshooting, and winterizing. Contact your RV dealer for assistance with purchasing and installing a sewer hose or sewer hose extension if needed.

BLACK & GREY TANK FLUSH

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *See page 61*

The tank flush inlet, often labeled "Tank Flush," is typically found on the utility center panel. To use, attach a garden hose connected to a pressurized fresh water source to the tank flush inlet. This allows water to flow directly into the selected holding tank sprayer connection, effectively removing debris and preventing buildup. A check valve prevents backflow.



Regular Tank Flushing

1. **Preparation:**
   - Locate the tank flush inlet on your RV.
   - Attach a garden hose from a pressurized fresh water source to the tank flush inlet.
2. **Flushing Process:**
   - In the wet bay, set the selector to the desired tank to be flushed.
   - Dump the black water tank (refer to Grey Tank Drain & Black Tank Drain section) and leave the black tank drain valve open.
   - Turn on the water source to flush the selected tank.

NOTE

Utility center (if equipped) valve positions do not affect the tank flush function. It does not matter where they are positioned when operating the tank flush.

To help insure debris does not clog the tank sprayer orifices, use "TANK FLUSH" every time the waste holding tank is emptied.

   - Flush until the water running out of the black tank drain valve is clear (not discolored or cloudy).
   - Disconnect the garden hose and close the black tank drain valve.
3. Fasten the sewer hose housing dust cap back on the tank flush inlet.

Winterizing the Tank Flush

1. **Preparation:**
   - Ensure black and grey tanks are empty.
   - Rinse the black tank before blowing it out with air.
2. **Flushing with Water:**
   - Attach the 4-inch sewer hose to the dump connector under the RV.
   - Open the waste gate valve for the black tank.

NOTE

If the RV has a macerator system, you need to open the bypass valve for the macerator under the RV. This will allow the black tank to drain through the 4" sewer hose.

   - Attach a garden hose to the tank flush inlet and to a pressurized water source.
   - Turn on the water and flush until clear water appears in the sewer hose.
   - Turn off the water and disconnect the hose from both the faucet and the tank flush.
3. **Blowing Out with Air:**
   - Connect the blowout plug to the tank flush inlet.
   - Connect an air hose to the blowout plug, setting the compressor to a maximum of 30 PSI.
   - Open the black tank drain gate valve and the macerator bypass valve.
   - Blow air into the flush inlet for 30 to 60 seconds.
   - Disconnect the air hose, compressor, and blowout plug.
   - Close the black tank drain gate valve and the macerator bypass valve.
   - Repeat the above steps for the grey tank.

Draining the Spray Port

4. **Preparation:**
   - Open fixtures and drain valves in the RV to drain the water lines
5. **Draining Process:**
   - Connect the blue-coiled hose to the brass quick connect fitting at the Spray Port.
   - Remove the spray nozzle from the other end of the hose.
   - Hold the open end of the hose near the ground to allow water to drain out.
   - Disconnect the hose from the fitting and store it in the RV.
   - Close the port cover.



Spray Port

Winterizing the Spray Port with Antifreeze (If Equipped)

1. **Preparation:**
   - As you are putting antifreeze into the water lines, attach the hose to the Spray Port.
2. **Winterizing Process:**
   - Have a container ready to capture the antifreeze.
   - Pull the trigger on the spray nozzle until antifreeze comes out into the container.
   - Release the nozzle and disconnect the hose from the port.
   - Rinse out the hose before storing it.

MACERATOR TOILET (IF SO EQUIPPED)

⚠ CAUTION ⚠ *See page 62*

The macerator toilet features a built-in macerator and pump system, designed to reduce waste buildup and prevent clogs in the drain lines and holding tanks.

Operation

- **Normal Flush**: Press and release the right button. This initiates an add water and macerate sequence, running the motor and adding water twice for maximum cleansing with minimal water usage. It ends with a small amount of water in the bowl to create an odor trap. Ideal for flushing solids and toilet paper.
- **Water Saver Flush**: Press and release the left button. This mode is only for flushing liquids and small amounts of toilet paper.
- **Empty Bowl:** Press both buttons simultaneously and release. This empties the bowl, leaving it dry for travel. Press either button once to add water, run the motor, and return to normal use.
- **Sleep Mode**: The lighting turns off after 8 hours of non-use. In sleep mode, the switch LEDs turn OFF until the next use. Press either button to restore full brightness.

Lighting

- **Night Lighting**: Blue backlighting on the buttons helps identify them at night. The buttons shut off to save power if not used for an extended period.

Full Tank Lockout

- **Full Tank Sensor**: The toilet will not flush when the Full Tank Sensor (LED is red) indicates a full tank.
- **Emergency Override**: If the tank is full (LED is red) and an emergency flush is needed, press and hold either flush button for 6 seconds. Caution: This may cause overfilling of the waste tank and system backup, which will be indicated on the screen.

Symbol Indicators

- **Not Lighted**: Toilet system is OFF or not receiving power.
- **Green**: System is ON, and the holding tank is less than full.
- **Yellow:** System is ON, and the holding tank is at least half full.
- **Red:** System is ON, and the holding tank is full.

Diagnostic LED Warning Lights are located during override (lower left on the screen).

Cleaning

- Use only non-abrasive, non-petroleum products to clean the pump.
- Avoid household cleaners containing bleach or harsh acids, as they can damage the system. Bleach, petroleum-based products, strong acids, and abrasives can cause irreversible damage to the toilet system and components.

Winterizing

- Use only propylene glycol-based, non-toxic antifreeze to store the toilet during freezing conditions. Never use automotive antifreeze or windshield washer solvent.
- Ensure both the supply and discharge systems are thoroughly winterized for complete protection.

Refer to the manufacturer's pamphlet in your warranty packet

TOILET

⚠ CAUTION ⚠ *See page 62*

Initial Setup

Before using the sanitation system, flush the toilet several times to ensure sufficient water is in the holding tank. Generally, more water is needed only when flushing solids. Run water for ten to fifteen seconds after flushing to help waste move to the bottom of the tank. Insufficient water during flushing can cause waste to clog the drain line and tank.

To maintain optimal performance, keep four to six inches (10-15 cm) of water in the toilet at all times to prevent solid waste buildup.

Sewage (Black) Tank Preparation

1. **Add Water:** Release one to two quarts (1-2 liters) of water into the toilet bowl.
2. **Add Chemicals:** Follow the instructions on your approved RV toilet chemical bottle, adding the recommended quantity to the bowl.
3. **Flush**: Flush the toilet and allow at least two gallons (8 liters) of water to flow into the holding tank.

Cleaning & Maintenance

Regular cleaning is essential for maximum sanitation and operational efficiency. For detailed cleaning instructions, refer to the manufacturer's operator manual.

DANGER

PLUMBING SYSTEM DANGER

MAINTENANCE - AQUA HOT See page 56

When the Aqua-Hot is at maximum operating temperature, the coolant is extremely hot. Accessing the heating system can result in scalding from hot vapor or coolant. Before cleaning or servicing, disconnect all power supplies. For more details on functions, maintenance, and winterizing guidelines.

WARNING

PLUMBING SYSTEM WARNING

FRESH WATER SYSTEM See page 50

Do not drink water that is microbiologically unsafe or of unknown quality. Avoid traveling with full fresh, black, or grey water holding tanks, as the weight of their contents is not included in the RV's cargo carrying capacity. Traveling with full tanks could exceed the individual tire ratings, RV GAWR, or GVWR, and may negatively affect your vehicle's handling characteristics.

AQUA-HOT HEATING SYSTEM See page 55

The Aqua-Hot's exhaust is extremely hot. Do not park in dry, grassy areas to avoid the risk of fire. Never operate the diesel burner inside an enclosed building. Always switch off the heater when refueling. Do not operate the diesel burner or the electric heating element without the proper antifreeze and water heating solution in the Aqua-Hot's boiler tank, as this will cause serious damage. Additionally, do not use the engine pre-heat feature while driving.

MAINTENANCE - AQUA HOT See page 56

Do not operate the diesel burner or electric heating element without the antifreeze and water heating solution in the Aqua-Hot's boiler tank, as this will cause serious damage to the heater. Use only propylene glycol that is "generally recognized as safe" by the FDA for the antifreeze and water heating solution.

WINTERIZATION See page 53

Failing to winterize the Aqua-Hot when temperatures drop below freezing can cause serious damage to its domestic water heating system. Use only FDA-approved, "GRAS" rated antifreeze for winterization. **Do not attempt to blow out the domestic water coil with air to winterize the Aqua-Hot.**

BATHROOM TUB/SHOWER See page 57

Water temperatures above 125°F (49°C) can cause severe burns instantly. Always test the water temperature before showering or washing to avoid burns.

BLACK/GREY WATER HOLDING TANKS See page 58

Never travel with full black or grey water holding tanks, as their weight can affect your tow vehicle's handling characteristics.

MACERATOR PUMP SYSTEM See page 58

Before operating the macerator pump, ensure the external dump hose is securely attached at both the motorhome and the dump station. The hose is pressurized, and waste is discharged under pressure. Failure to follow these instructions can result in injury or property damage. Using the system for any purpose other than its intended use will void the warranty.

BLACK & GREY TANK FLUSH See page 59

Do not use the same hose for filling your fresh (potable) water tank that is used for the black tank flush.

CAUTION

PLUMBING SYSTEM CAUTION

WATER PRESSURE REGULATOR See page 51

To protect the plumbing system and components, use a 45 lb. (315 KPa) rated water pressure regulator when connecting to city water. This helps prevent damage to the system.

FRESH WATER HOLDING TANK See page 51

Do not cap, block, or modify the fresh water tank overflow tubes. Obstructed overflow tubes can cause excessive water pressure during filling, potentially damaging the plumbing system. Avoid overfilling the fresh water tank to prevent pressurization, leakage, water damage, and voiding the warranty. Always stay with the tank while filling.

WINTERIZING THE PLUMBING SYSTEM See page 51

If the motorhome will be stored in a non-temperature controlled environment where temperatures may reach 32°F (0°C) or lower, use RV antifreeze in the plumbing system, including appliances such as the washer, dishwasher, and refrigerator, as directed in this manual.

WATER PURIFICATION SYSTEM See page 56

Do not allow water in the canister housing to freeze. Before winterizing with antifreeze or sanitizing with chlorine solution, remove the filter. Thoroughly flush the canister housing before returning it to service after winterizing or sanitizing. For optimal performance, replace the filter every 6-12 months. Avoid using carbon cartridges if the water is microbiologically unsafe or of unknown quality. The system's maximum operating pressure is 125 psi (8.75 bar), and the maximum water temperature is 125°F (52°C).

SHOWER MISER See page 57

When using the Shower Miser with pressurized city water hookups, be aware that the fresh water tank may overflow onto the ground.

BLACK/GREY WATER HOLDING TANKS See page 58

Never leave the black tank drain open continuously when connected to the campground sewer system, as this can cause the liquid to drain out, increasing the risk of tank blockages. Keep the drain closed to prevent debris accumulation. Additionally, avoid adding automotive antifreeze or caustic chemicals, such as laundry detergents, to the holding tanks. These substances, although they may deodorize, can damage the plastic and rubber parts of the plumbing system.

MACERATOR PUMP SYSTEM See page 58

Water can accumulate in the flexible hose and dump connector of the macerator system. When winterizing the RV, ensure that antifreeze is added to the macerator system. Refer to the Winterizing section for detailed instructions.

BLACK & GREY TANK FLUSH See page 59

The black tank drain valve must remain open whenever a hose is connected to the black tank flush. Additionally, ensure that no hose is connected to the black tank flush when it is not in use.

MACERATOR TOILET/TOILET See page 60 & See page 60

To prevent solid waste buildup, always follow the toilet manufacturer's recommended instructions after emptying the black water holding tank. Use only RV-grade single-ply toilet paper to help prevent blockages. Do not flush paper towels, diapers, sanitary napkins, or other foreign objects. Only flush organic material and toilet paper to avoid damaging the toilet. Additionally, avoid using undiluted chlorine or caustic chemicals like laundry bleach or drain openers, as they can damage the seals in the toilets and dump valves.

SECTION 9: HEATING & COOLING



CLIMATE CONTROL SYSTEM

All controls for the heating and cooling climate control system are integrated into the Firefly touchscreen. For specific operating instructions, refer to the touch screen user guide included in your warranty packet or online at http://www.fireflyint.com.

The air conditioner/heat pump functions as both a heater and cooler. It is not intended to replace a furnace for heating your motorhome in cold weather but is designed to warm the coach during cool or mild temperatures. Both heating and cooling are controlled by a single thermostat via the Firefly touchscreen.

In cooling mode, the temperature drop from inlet to supply is typically 15 to 20 degrees. In heating mode, the temperature rise from inlet to supply is usually 25 to 40 degrees, unless the outdoor temperature is low enough to trigger the freeze switch, in which case the rise will be only 10 to 20 degrees. If deviations from these norms occur, check the system for dirty air filters or outdoor coils. To reduce heat gain, park in shaded areas, keep windows and doors shut, and avoid using heat-producing appliances inside the vehicle.

Maintenance

⚠ CAUTION ⚠ *(See page 63)*

The primary maintenance for the heat pump is cleaning and replacing the filters, which can be cleaned and reused. It is recommended to clean and change the filters at least every two weeks while the heat pump is in use. Refer to the manufacturer's manual for essential safety and operating information.

FIREPLACE (IF EQUIPPED)

Your RV may be equipped with an electric fireplace insert. For detailed operating and safety information, refer to the manufacturer's user guide included in your warranty packet.

CEILING FAN

⚠ WARNING ⚠ *(See page 63)*

Turn the ceiling fan ON or OFF using the switch typically located on the wall or in an overhead cabinet. Always stop the fan before changing the direction of operation.
During cooler temperatures, set your fan to "low" and adjust it to turn clockwise to pull warm air from the ceiling back towards the floor. In the summer, set the fan to turn counterclockwise to maintain air circulation.

For more details, refer to the manufacturer's owner's manual.

⚠ CAUTION ⚠ HEATING AND COOLING CAUTION

HEAT PUMP MAINTENANCE (See page 63)

Do not operate the heat pump for extended periods without the filter installed. Lint, grease, dirt, etc., that are normally stopped by the filter will accumulate in the cooling coil, leading to loss of air volume, icing up of the cooling coil, and potentially serious damage to the heat pump's components.

⚠ WARNING ⚠ HEATING AND COOLING WARNING

CEILING FAN (See page 63)

Avoid placing any object in the path of the ceiling fan blades.

SECTION 10: APPLIANCES



COOKING SAFETY

⚠ WARNING ⚠ *See page 66*

In Case of a Grease Fire:

Grease is flammable. Never allow grease to collect around the top burners or on the cooktop surface. Wipe up spills immediately. Refer to Section 2 – Safety Precautions for fire safety and fire extinguisher information.

INDUCTION COOKTOP

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *SSee page 66*

Induction cooktops are more efficient than gas or electric cooktops, heating the cooking surface through magnetic induction. For induction cooking, use cookware that is magnetic (steel or cast iron) and has a flat bottom. Cookware made from aluminum, Corning Ware, Pyrex, or glass will not work unless placed on a magnetic interface disk, which functions as a conventional hot plate. Stainless steel cookware may or may not work. To check if a pan or skillet is compatible, use a magnet: if the magnet clings strongly, it will likely work with the induction cooktop; if it doesn't cling or clings weakly, it probably won't work.

Induction cooktops are much safer than electric or gas:

- The stovetop stays cool, so there's no risk of burns.
- Only the cooking vessel gets hot.
- The cooktop only activates when a magnetic pan or interface disk is in place. Sensors detect the ferrous material's presence, ensuring it only works with the right cookware size.
- Induction cooktops do not heat up the kitchen.
- They allow for very rapid temperature changes and precise adjustments.

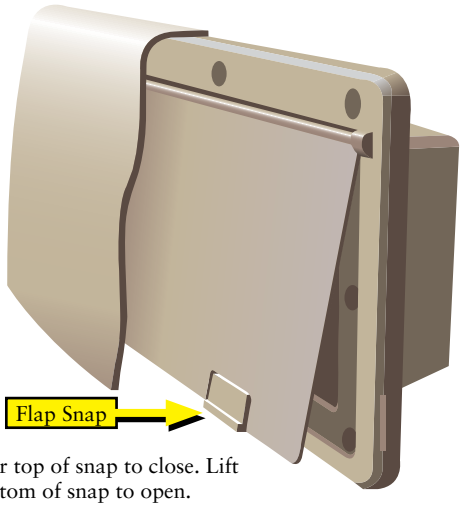
For detailed safety, operation, and cleaning instructions, refer to the manufacturer's manual.

MICRO HOOD

The microwave oven in your RV is equipped with a Micro Hood vent, designed to pull moisture out of the kitchen air while using the microwave, helping to prevent mold and mildew. Fumes and moisture are vented outside the RV through the Micro Hood.

The vent features an inner flap with two snaps. This flap should be snapped shut when the vehicle is in motion or during storage to keep out insects, debris, snow, and rain.

Whenever the stove is in use, the flap MUST be unsnapped and the range hood turned ON to vent fumes outside the vehicle.



Push near top of snap to close. Lift from bottom of snap to open.

Range Hood Exterior Vent Cover

MICROWAVE

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *See page 66*

For operation, cleaning, and safety details, refer to the manufacturer's user guide.

General Cleaning for Microwave and Convection Microwave:

- **IMPORTANT:** Ensure all controls are off and the microwave oven is cool before cleaning. Follow label instructions on cleaning products.
- To prevent damage from soil buildup causing arcing, keep the cavity, microwave inlet cover, cooking rack supports, and door frame area clean.

Cleaning Guidelines:

- Grease Filters**: Use mild soap and water or place in the dishwasher.**
  Door and Exterior**: Use mild soap and water or apply glass cleaner to a paper towel.**
- Control Panel**: Wipe with a sponge or soft cloth and water.**
  Stainless Steel (on some models): Clean with mild soap and water, rinse with clean water, and dry with a soft cloth, or use stainless steel cleaner.
- Turntable**: Clean with mild soap and water or place in the dishwasher.**
- Rack(s)**: Use mild soap and water with a washcloth. Dishwasher cleaning is not recommended.**

Convection Microwave (If Equipped):

The convection microwave combines microwaving and conventional cooking. Ensure there is sufficient 120-volt power before use (see Calculating Electrical Load). For operation and safety information, refer to the manufacturer's user guide.

REFRIGERATOR

⚠ CAUTION ⚠ *See page 66*

The refrigerator is for standard cooling, not quick freezing. Stock with pre-frozen or pre-cooled food. Avoid covering shelves with paper or plastic. Arrange food for air circulation. Be sure you are connected to a 120-volt power source.

Contact your dealer or Customer Service for winterizing details. Refer to the manufacturer's user guide for operating and safety information.

Cleaning Your Refrigerator

Interior Cleaning:

1. Disconnect power.
2. Hand wash removable parts and surfaces with warm water and mild detergent. Use a baking soda solution (1 tbsp baking soda to 1 quart water) to clean and neutralize odors. Rinse and dry.
3. Leave an open box of baking soda in the fridge and freezer to prevent odors.

There is no need for routine condenser cleaning in normal operating environments. If the environment is particularly greasy or dusty, or if there is significant pet traffic, the condenser should be cleaned every 2 to 3 months to ensure maximum efficiency.

If you need to clean the condenser:

- Remove the base grille.
- Use a vacuum cleaner with a soft brush to clean the grille, the open areas behind the grille and the front surface area of the condenser.
- Replace the base grille when finished.

Exterior Cleaning:

- Painted Metal**: Wash with mild detergent and warm water.**
- Stainless Steel**: Use mild detergent and warm water. Avoid wax, polish, bleach, or chlorine cleaners. Use a spray-on stainless steel cleaner. Clean any accidental contact with a sponge and mild detergent, then dry with a soft cloth.**

For silver-accented plastic parts, use mild soap and water. Avoid scouring pads, powdered cleaners, bleach, or bleach-based cleaners to protect the finish.

DISHWASHER (IF EQUIPPED)

Your RV is equipped with a single Dish Drawer Dishwasher, featuring six wash programs for loads ranging from delicate to heavy. For detailed operating and safety information, refer to the manufacturer's user guide in your warranty packet.

WASHER/DRYER

⚠ WARNING ⚠ ⚠ CAUTION ⚠ *See page 66*

Your motorhome features a washer/dryer set. Ensure you have sufficient power before operating them, and confirm you are connected to a 120-volt power source (see "Calculating Electrical Load").

For detailed safety, operation, and care instructions, refer to the manufacturer's manual in your Owner's Portfolio.

For sanitizing and winterizing details, contact your Dealer or Customer Service.

PORTABLE CHEST COOLER

⚠ WARNING ⚠ *See page 66*

The portable chest cooler operates on 12VDC, capable of both refrigerating and freezing food. For detailed operating and safety information, refer to the manufacturer's user guide. Clean the inside and outside with a damp cloth before first use and occasionally after.

To maximize performance, follow these guidelines:

- **Defrosting:** Remove contents, switch off, leave the cover open, and wipe any water with a clean cloth. Avoid frost buildup.
- **Food Temperature:** Cool hot food before placing it in the cooler.
- **Usage:** Minimize opening the cooler and defrost when a layer of ice forms. Avoid unnecessary low temperatures.

WARNING

APPLIANCES WARNING

IN CASE OF GREASE FIRE **See page 64**

Do not attempt to use water to put out the fire. Water can spread some types of fire, and electrocution is possible with an electrical fire.

INDUCTION COOKTOP **See page 64**

Touching a hot pan or cooking vessel can cause burns. Use pot holders or oven mitts to remove hot pans from the cooktop.

MICRO HOOD **See page 64**

Whenever the stove in the RV is being used, the Micro Hood **MUST** be turned on. **Failure to do so can create an asphyxiation hazard.**

MICROWAVE **See page 65**

Never use the microwave cavity for storage. The microwave cavity should always be empty when not in use.

PORTABLE CHEST COOLER **See page 65**

When cleaning the portable chest cooler, avoid using abrasive cleaning agents, brushes, scouring pads, or hard objects, as they can damage the cooler. Never use hard or pointed tools to remove ice or loosen frozen objects. Always disconnect power before cleaning or servicing the cooler. The manufacturer advises against using extension cords due to potential safety risks. If you must use one, ensure it is UL or CSA listed with a minimum 10Amp 120VAC rating. Do not use power strips or 2-way splitters, and never attempt to splice extension cord wires.

WASHER/DRYER **See page 65**

Gas dryers should never be installed in your recreational vehicle. The dryer prep is designed for electric dryer operation only. Never place items in the washer that are dampened with gasoline or other flammable fluids, as no washer can completely remove oil. Additionally, do not dry anything that has ever had any type of oil on it, including cooking oils, to prevent the risk of death, explosion, or fire.

CAUTION

APPLIANCES CAUTION

INDUCTION COOKTOP **See page 64**

Do not use aluminum foil with an induction cooktop, as it can permanently melt to the surface, potentially cracking the cooktop or causing other types of permanent damage.

MICROWAVE **See page 65**

To prevent damage, remove the turntable from the microwave when traveling. Ensure that you are connected to a 120-volt power source.

REFRIGERATOR **See page 65**

Turn off the ice maker and empty the ice tray when the power to your motorhome is shut off. Without power, the ice will melt, causing water to pool in the refrigerator door. When power is restored, the vibration will cause this water to run out of the door and onto the motorhome floor.

WASHER/DRYER **See page 65**

Do not operate a dryer in the recreational vehicle unless the dryer is properly vented.

SECTION 11: ELECTRONICS



WINEGARD RAYZAR AUTOMATIC HD TV ANTENNA

The Winegard Rayzar Automatic HD TV Antenna is designed for direct use with a television, featuring automatic aiming and no manual cranking required. It has a manual tuning override to reposition the antenna for specific channel broadcasts not found during the initial search. Its high-performance design includes a state-of-the-art amplifier embedded directly at the elements, providing maximum RF gain with an ultra-low noise figure of 1.0 dB. This ensures enhanced dual-band VHF/UHF reception, reducing pixelation and picture loss. The antenna's sleek, low-profile dome design protects the elements and circuitry, ensuring long-lasting durability with a permanent rooftop installation requiring minimal space.

For optimal performance, understand how Digital TV signals are broadcast. A channel scan is necessary whenever you are in a new location or after repositioning the antenna. During the scan, the TV will automatically detect Digital TV stations and program them. Each channel frequency may have sub-channels, which the TV will display as "8.2", "8.3", etc. The Rayzar Automatic antenna identifies all TV frequencies being broadcast, but the TV determines the number of sub-channels. Therefore, the number displayed on the Rayzar Automatic control panel represents the watchable TV frequencies found, while the actual number of channels scanned into your TV will depend on the sub-channels.

Refer to the manufacturer's user guide for detailed setup and usage instructions.

WINEGARD ROADTRIP T4 IN-MOTION SATELLITE TV ANTENNA

⚠ WARNING ⚠ *See page 69*

The Winegard Roadtrip T4 In-Motion Satellite TV Antenna is a fully automatic roof-mounted system that locates satellite orbital positions, allowing you to watch your favorite TV shows while traveling. This antenna supports live TV viewing and recording on the go, providing DISH, DIRECTV, and Bell TV programming without data overages or buffering issues. It features simple one-button operation and quickly locks onto satellites anywhere in the U.S. for reliable signal reception. With two coax outputs, you can add an additional receiver for multi-TV viewing.

The in-motion satellite TV antenna toggles between satellites whether stationary or moving. Note that all dome satellite systems have motorized single dish/single LNB mechanisms, meaning they can only point toward and receive programming from one satellite at a time. The RoadTrip T4 is compatible with DISH Network® and DIRECTV® standard definition programming and DISH Network HD programming.

Satellite TV Overvew

Refer to the manufacturer's user guide for detailed instructions, but here is a basic overview:

1. Setup:
   - Your unit is preset for DIRECTV receivers. To change settings, refer to the manufacturer's manual.
   - Turn on the receiver and television set. Ensure the antenna is connected to a receiver plugged into 120 VAC.
   - Verify the receiver's menu screens appear on the TV, which are accessible even without a satellite signal.
2. Operation:
   - Turn on the antenna's power switch. The dish will move and acquire GPS, a process that may take up to 10-15 minutes, but typically less than a minute.
   - Once GPS is acquired, the dish will search for the satellite, pausing on signals to verify them. This process may take longer if the dish has been inactive over long distances.
   - After verifying the correct satellite, the dish will continue to track the signal.
   - If the vehicle is stationary for six minutes, the unit will toggle to its alternate satellite and then back to the primary satellite, entering a "sleep" mode. It will resume tracking when the vehicle moves at 10 mph in a straight line.
   - If no signal is found, refer to the "Troubleshooting" section in the manufacturer's manual.

Recovery from Signal Interruption

Programming will not be available if the T4 dome is blocked (e.g., in a tunnel or under a bridge). Once the obstruction is removed, programming will return.

For detailed receiver setup and additional operational information, consult the antenna manufacturer's operation manual.

Recovery from Signal Interruption

When the T4 dome is blocked (example: while going through a tunnel, under a bridge, by a building, etc.) programming will not be available. Once the block is removed, the programming will return.

Refer to the antenna manufacturer's operation manual for details of receiver set up.

WINEGARD TRAV'LER PRO SATELLITE DISH (IF EQUIPPED)

The Winegard Trav'ler Pro Satellite Dish is an automatic multi-satellite TV antenna equipped in your motorhome, offering a viewing experience comparable to home. It allows for simultaneous viewing of multiple satellites, ensuring all TVs can access all programming at once for optimal viewing pleasure. The antenna features a reimagined control system with cloud connectivity for over-the-air updates and an OLED screen that provides more information with greater resolution and clarity, enhancing search efficiency.

Additionally, the system pairs with the Winegard Connected App, powered by Bluetooth® technology. This allows for faster satellite acquisitions using a GPS-enabled mobile device, monitoring of search sequences, and access to enhanced diagnostics. For detailed information on setup and usage, refer to the manufacturer's user guide.

HOME THEATER SYSTEM(S)

The home theater system in your motorhome includes a BluRay DVD/CD player and an HD television, with separate systems for the coach and the bedroom. Ensure sufficient 120-volt power is available before operating the entertainment system (refer to Section 6 on Electrical Systems for calculating electrical load). Note that any TV visible to the driver will not operate with the ignition ON, as the AC outlets for these TV locations are disabled for safety. Normal operation resumes when the ignition is OFF. However, the bedroom television will function while the motorhome ignition is ON if a 120-volt AC power source is available.

For detailed operating instructions, refer to the manufacturer's information for each component of the home theater system.

EXTERIOR ENTERTAINMENT CENTER

The exterior entertainment center is located on the curbside of the unit. To access it, open the exterior door to the stationary open position.

For detailed operating instructions, refer to the manufacturer's information for each component.

INTERNET CONNECTIVITY



Your recreational vehicle comes equipped with a Winegard WIFI Ranger, which includes an Indoor Router Unit (Spruce) mounted inside the RV and an Outdoor Router Unit (Denali) mounted on the roof.

The Spruce is a mobile router that requires 12VDC power from your RV. It supports both 2.4GHz and 5.8GHz WiFi reception and broadcast, offering versatile connectivity. Additionally, it has Gigabit LAN ports for connecting hardwired computers and devices, and a USB 2.0 port for tethering Cellular hotspots and aircards, enabling you to share Cellular internet with all connected devices (a data plan is required for Cellular internet).

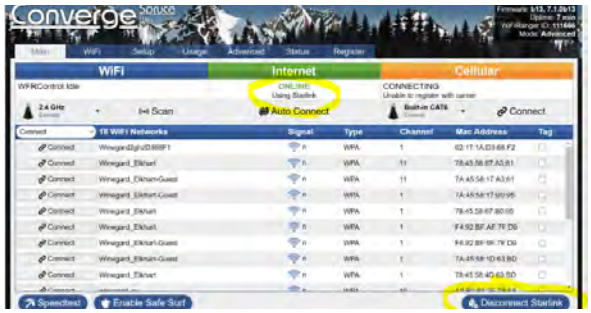
The Denali is an outdoor router that supports 2.4GHz WiFi reception and broadcast with a maximum wireless range of 1.5 miles. It includes a 100Mbps LAN port for connecting to the Spruce.



Your RV is also equipped with a Starlink Flat High Performance system with a Wedge Mount, providing high-speed internet even while in motion. The Starlink system, with its wide field of view and enhanced GPS capabilities, connects to more satellites for consistent connectivity on the go.

The Starlink Dish connects to the WiFiRanger via an Ethernet cable, providing streamlined connectivity. You can connect through the Spruce by reviewing the available networks on the Main page.

For detailed operating, setup, and safety information, refer to the Wi-Fi Booster manufacturer's manual.



WARNING

WINEGARD ROADTRIP T4 IN-MOTION SATELLITE TV ANTENNA (IF EQUIPPED) **See See page 67**

- Do not paint this antenna. Painting the RoadTrip® T4 antenna will void your warranty.Ensure all jack locations are clear of debris, obstructions or depressions.
- Improper use of the user menu could cause damage to the antenna and/or vehicle. Do not enter the user menu for regular operation.

SECTION 12: INTERIOR



CLEANING THE INTERIOR

⚠ CAUTION ⚠ *See page 70*

To maintain the value of your recreational vehicle, regular cleaning with the proper materials and procedures is essential. Always refer to the manufacturer's recommendations for cleaning agents. If unsure, test the cleaner on a small, hidden area or consult your dealer. Avoid using flammable liquids or sprays.

Décor Glass: Use a glass cleaner for smudges and spots, especially around decorative etching.

Furniture Upholstery: Regularly vacuum with a soft brush attachment to remove dirt and debris.

Fabric: Professional cleaning is recommended for stains or soil. Inform the cleaner if the fabric is fire-resistant. Refer to the manufacturer's care instructions.

Ultraleather™: Professional cleaning is recommended. Refer to the manufacturer's care instructions.

Leather: Vacuum periodically, wipe spills immediately with a dry cloth, and use a damp cloth for problem areas. Avoid cleaners with oils, waxes, or silicones as they can damage the leather finish.

Window Treatments: Dust drapes and valances occasionally with a vacuum. Professional cleaning is recommended for stains or soil.

Window Shades: Vacuum periodically with an upholstery brush on low suction. Use a sponge or soft brush and water for solar shields, and a mild cleaning solution for tougher stains. Day/Night shades can be cleaned with a mild solution; avoid spot removers or harsh cleaners. Mini blinds can be wiped with a dry rag or soapy water. Roller shades should be cleaned with soapy water or a mild solution and kept in the closed or up position when not in use.

Cabinetry and Tables: Dust with a soft cloth and mild detergent solution. Avoid ammonia-based products or silicone oils. Promptly wipe up spills and protect from excessive sunlight, high temperatures, and humidity.

Interior Wall Panel: Clean with a mild soap solution and a soft sponge or cloth, then wipe dry. Use putty sticks from local stores for scratches.

ABS Plastics: Dust and wipe clean with a soft, damp cloth. Avoid abrasive soaps, scouring compounds, and cleaners containing D-Limonene.

SOFA AND DINETTE

⚠ WARNING ⚠ *See page 73*

Your motorhome may come with one of several sofa or dinette styles:

Hide-a-Bed Sofa or Sofa Sleeper

To convert to a bed, remove the seat cushions and pull the strap at the front of the sofa seat bottom towards you. To revert to an upright position, reverse the process and ensure the seat belts are usable. Hold the sofa strap firmly to prevent the hide-a-bed from suddenly dropping shut. Refer to the manufacturer's care instructions.

Jack Knife or Easy Bed Sofa

This sofa seats two to three adults and converts to a bed by lifting the front of the seat section and pulling it towards you, allowing the back to pivot into a horizontal position. To return to the upright position, reverse the process and ensure the seat belts are usable. Refer to the manufacturer's care instructions.

Trifold Sofa

1. To convert to a bed, remove the pillows, pull the sleeping surface up using the strap handle, fold out the legs, extend the sleeping surface until grounded, and fold the headboard down flat.



Dinette Table

The dinette table can be extended by standing at the end, holding both sides, and pulling it towards you. To stow it, push it back until it locks in place.

Free Standing Dinette Chairs (if so equipped)

⚠ WARNING ⚠ *See page 73*

Two free-standing chairs and two folding chairs are included. During travel, secure the free-standing chairs at the dinette table and store the folding chairs in a closet or storage area.

POWER BUNK BED (IF EQUIPPED)

⚠ WARNING ⚠ *See page 85*

Your motor home may be equipped with a power bunk bed. It may include a wood ladder that hooks on to the side of the bed in order to access the upper bunk. **UPPER BUNK MUST BE AT THE LOWEST POSITION TO USE THE LADDER.**



The upper bunk has preset limits as to how far it can be raised and lowered. The lower bunk is fixed in position and does not move.

Operation

To operate the bed insert the key, and turn it to the ON position. Press the UP or DOWN arrow button. When upper bunk is positioned where you want it, turn the key to the OFF position. Remove the key to prevent accidental movement of the bed.

The bunk bed ladder must be positioned firmly in place.

COUNTERTOPS

To keep your countertops in good condition, follow these guidelines:

General Care:

- Use hot pads or trivets under hot pans and dishes.
- Use a cutting board instead of cutting directly on the countertop.
- Avoid harsh chemicals like drain and oven cleaners.
- Wipe off cleaners with bleach promptly.
- Run cold water when pouring hot/boiling water into the sink.
- Use coasters under glasses, bottles, and cans.
- Avoid storing toiletry products directly on the countertop to prevent stains from spills.

Cleaning:

- Use soapy water, ammonia-based cleaners, or solid surface cleaners. Wipe with a damp cloth followed by a dry towel to remove watermarks.

Stain and Damage Removal:

- For tough stains on matte finishes, use a green Scotch Brite® pad and mild abrasive cleaner.
- Disinfect periodically with a diluted bleach solution (1:1 water to bleach).
- For cuts and scratches, lightly sand with fine-grit (220) sandpaper, then use a green Scotch Brite® pad and mild abrasive cleaner.

Solid Surface Sink Maintenance:

- Occasionally clean by filling one-quarter full with a 50/50 water and bleach solution. Let soak for 15 minutes, then wash the sides and bottom as it drains.

Refer to the countertop manufacturer's user guide for more information on stain removal and surface repair.

PANTRY OR HUTCH (IF EQUIPPED)

⚠ WARNING ⚠ *See page 73*

Your recreational vehicle may have a pantry or hutch for storage. Ensure all items are secured to prevent shifting during travel. This cabinetry is designed for bulky, but not necessarily heavy, camping items. Remember, your vehicle's load capacity is determined by weight, not volume, so you may not be able to use all available space

If your pantry or hutch has sliding shelves, they are equipped with a locking mechanism to keep them secure during transit. To lock the shelf, push it all the way in until the latch tab clicks into place. Check that the shelf is secure by pulling out slightly. To release the shelf, push in on the tab and slowly pull the shelf towards you.

FLOORING

Ceramic Tile

Regularly vacuum the ceramic tiles to remove dirt and grit, then damp mop or sponge with a non-oil-based cleaner. Heavily trafficked areas may need more intensive cleaning. Seal grout twice a year for maximum stain protection using sealers available at home centers or floor-covering stores.

DO NOT:

- Use cleansers with acid or bleach.
- Use wax cleaners, oil-based detergents, or sealants (except on grout joints and natural stone).
- Use ammonia (discolors grout).
- Use harsh cleaning aids like steel wool pads or scouring pads containing metal.
- Use colored cleaning agents on unglazed ceramic tile or natural stone.

DO:

- Test scouring powders on a small area first (not recommended for natural stone).
- Use a sealer on grout joints.
- Have damaged or broken tiles replaced by a qualified contractor.

CEILING FABRIC

The ceiling fabric in your recreational vehicle is made from padded vinyl. To clean it, use a mild detergent and water. For stubborn soil, a soft bristle brush can be used. After cleaning, rinse and dry thoroughly. Avoid household cleaners and solvents that may remove plasticizers from the vinyl, as this can make the fabric brittle. Abrasive cleaners should also be avoided to prevent marring or scratching the surface. Always test a small hidden area before applying any cleaner to the vinyl surface.

POWER WINDOW SHADES

Your motorhome is equipped with power shades for the windshield and all windows. These shades can be operated through the Firefly Touchscreen. Additionally, the power shades in the cab area can be controlled via the Central Control Interface (CCI) located in the middle of the dash. Please note that the operation of the front windshield power shades may be limited or disabled when the chassis ignition key is turned to the “ON” position. The icon must be held for the operation, a feature designed to prevent unintended shade extension while driving.

For detailed information on operation, troubleshooting, and warranty, refer to the manufacturer’s owner guide included in your warranty packet.

SAFE

Your recreational vehicle may include a safe designed to safeguard valuable items. Please note that you are solely responsible for any liability resulting from the loss of personal property placed within the safe. Refer to the manufacturer’s user guide in your Warranty Packet for detailed information on the use and care of your safe.

BED STORAGE

⚠ WARNING ⚠ *See page 73*

Your motorhome features additional storage space under the bed. To access this area, grasp the ledge at the foot of the bed and lift carefully, ensuring the platform is securely held when raised. It is advisable to have two people retrieve stored items: one to hold the platform and the other to retrieve the items. Lower the platform slowly to close it, avoiding dropping it.

Gas Struts

On certain models, the bed platform is equipped with gas struts to facilitate easy access to the storage area. Grasp the ledge at the foot of the bed and lift carefully. The gas struts will hold the bed platform open, allowing access to the storage area. To close, gently push down on the bed, easing it slowly to the closed position.

WARNING

INTERIOR WARNING

SOFA AND DINETTE See page 70

Always use seatbelts when sitting in the sofa or dinette while the motorhome is in transit.

FREE STANDING DINETTE CHAIRS See page 71

Do not allow occupants to use the free-standing dinette chairs while the motorhome is in transit.

PANTRY OR HUTCH See page 71

Your RV's load capacity is designated by weight, not by volume, so you cannot necessarily use all available space when loading the vehicle. Do not exceed your GVWR and ensure you are loading the vehicle evenly for the best handling. Secure heavy items to prevent shifting during travel.

BED STORAGE See page 72

- Before lifting, ensure there is nothing on the bed that could restrict movement or add extra weight. Use caution when opening or closing the bed, keeping hands and fingers at the end ledge provided (not on the side or farther back than necessary).
- Exercise extreme caution when opening the bed storage platform. The platform must be held open (unless equipped with a prop rod or gas struts) and should be slowly lowered until closed.
- Be mindful of the bedroom electric slide room system, which may be located under the bed. Avoid obstructing the slide room system when using the under-bed storage.

Failure to comply with these guidelines can result in serious injury or property damage.

CAUTION

INTERIOR CAUTION

INTERIOR WALL PANEL See page 70

Do not use abrasive cleaners as they may cause the vinyl to scratch and become dull. Do not use cleaners that contain bleach.

SECTION 13: EXTERIOR



CLEANING THE EXTERIOR

⚠ CAUTION ⚠ *See page 76*

To protect your RV's exterior finish, wash it often and thoroughly. You can wash and wax your vehicle 60 days after purchase, allowing the paint to cure.

Key Environmental Challenges:

- Road Salt and Sodium Chloride
- Road Tar/Bugs
- Bird Droppings/Tree Sap
- Industrial Fallout/Acid Rain/Pollution
- UV Exposure and Moisture

Common Issues:

- Corrosion, staining, and chemical spotting. These problems are minimized by regular washing and polishing.

Washing Tips:

- Avoid Commercial Washes: Use cold water with mild liquid soap. Avoid dish detergents, vinegar, or dry wiping.
- Temperature and Location: Wash when the RV's surface is cool, under 90°F, and out of direct sunlight to prevent water spots. A shaded area is ideal.

Method:

- Use separate sponges or mitts: one for paint and one for wheels
- Clean wheels and wheel wells first to prevent dirt splatter on the paint
- Wash from top to bottom, rinsing frequently.
- For tar or bug stains, use ammonia-based glass cleaner or rubbing alcohol, then warm soapy water.

Drying:

- Use a damp chamois or lint-free microfiber towel. Avoid tap or well water for drying to prevent water stains.

During Cold Weather:

- Regularly spray the underbody with high-pressure water to remove salt and debris. Wipe off water drops from rubber parts around slideouts and doors after washing.
- If your slideout or door is frozen, pour warm water on the gasket to melt the ice. Attempting to open by force may tear or crack the rubber gasket. To prevent weather stripping from freezing, treat it with a silicone spray.

Waxing:

⚠ CAUTION ⚠ *See page 76*

- Wax your RV once or twice a year. Apply with a soft cloth, then polish with a dry, soft cloth. Do not wax in direct sunlight or on flat black finishes. Avoid waxing weather strips.

Polishing:

For severe damage, use a fine polishing compound, then wax the surface.

Touching Up Paint:

- Quickly address small cracks or scratches with touch-up paint to prevent corrosion. Check areas facing the road for damage.

Cleaning Plastic Parts:

- Use a sponge or chamois with warm water. Avoid scrubbing brushes or abrasive waxes.

Cleaning Chrome Parts:

- Wash with water, dry thoroughly, and apply non-abrasive automotive wax. For severe damage, use a chrome polish product.

CLEANING THE DIAMOND SHIELD SURFACE

Your motorhome features a protective Diamond Shield surface on the front lower cap area, hood edges, generator door, under the entry door grab handle, and door lock. To maintain its integrity, follow these guidelines:

Cleaning Guidelines:

- **Avoid Harsh Cleaners:** Do not use abrasive cleaners or detergents. Dry wash products are unsuitable for paint protection films as they are porous.
- **Recommended Soap:** Use car wash type soap.

Bug Removal:

- Wash off bugs promptly. Bug Magic is recommended by Diamond Shield.

Pressure Washer Use:

- **Exercise Caution:** High pressure or improper use can cut or tear the film. Pressure washer damage is NOT covered under warranty.
- **Avoid Vinyl Bras:** The application of vinyl bras or similar products will void the warranty.

Protectant Application:

- **Recommended Products:** Use 303 Aerospace Protectant™ or Protect All (www.protectall.com) before trips. These products provide UV protection, repel dust, soiling, and staining.
- **Application Frequency:** Apply these products every time you clean the front of your motorhome.

Minor Scuff Removal:

- **Recommended Products:** Use NOVUS line of products for minor scuffs.

Waxing:

- **Products:** Use Mothers or Meguiar's Liquid Wax. Avoid waxes designed for specific colors.
- **Frequency:** Wax the Diamond Shield surface 3-4 times per year and before storage.

NOTE

Using a protective cover (bra) will void the Diamond Shield's limited lifetime warranty.

WINDOWS

⚠ WARNING ⚠ *See page 76*

Ventilating windows may allow water to enter, especially during heavy rainstorms or while driving, which is normal. You should only see water in the lower track portion of the window frame. Condensation can also lead to water accumulation on the windows and in the tracks. Ensure that the escape window latches are properly adjusted, as the window will pop open if not adjusted tightly.

For cleaning the window glass, use a sponge and water. For removing wax, oil, grease, or dead insects, use a glass cleaner. After washing, dry the glass with a clean, soft cloth.

FRAME

Frames endure significant wear from road conditions such as sand, pebbles, highway debris, and ice-melting chemicals, which can chip and blast the painted surface. Salty air exposure accelerates rusting. To maintain your frame's integrity:

Regular Cleaning:

- **Rinse Periodically: Remove road grime, tar, oil, mud, and** salt
- **Cleaning Frequency:** Increase cleaning frequency based on usage and conditions.

Refer to your Chassis Guide for the chassis manufacturer's maintenance instructions.

MUD FLAP

⚠ CAUTION ⚠ *See page 76*

Your motorhome is equipped with rear wheel mud flaps and/or a deluxe full-width mud flap, periodically check and remove dirt or debris buildup from the mud flaps.

ENGINE AND GENERATOR COMPARTMENT ACCESS

⚠ WARNING ⚠ *See page 76*

Engine Compartment

The exterior engine compartment access door is electrically operated, with the switch typically located inside the last storage compartment on the passenger side. To open the door, press and hold the "open" button on the momentary switch until the door is fully open. To close it, press and hold the "close" button until the door is completely shut.

NOTE

Releasing the switch will stop the door immediately. To resume operation, press and hold the switch again.

Generator Compartment

For accessing components in the generator compartment, refer to the Electrical Systems section under **Generator and Generator Slide Tray.**

EXTERIOR ROOF AND SIDEWALL VENTS

Inspect the roof vents and sidewall vents regularly, checking for cracks in the sealants and keeping them clean. Ensure the holding tank vents are free of blockages such as bird nests, spider webs, and leaves. It is essential to keep all exterior access doors and vents clear of obstructions, including insect nests and mud daubers, especially while the appliances are in use.

SEALANTS

⚠ CAUTION ⚠ *See page 76*

Sealants are crucial for maintaining the integrity of your recreational vehicle and should be inspected and maintained regularly. Our RVs use various types of sealants, including butyl/putty, black butyl-encapsulated foam, silicone (clear and colored), roof sealant, and foam. These sealants do not have a fixed lifespan, as their pliability and adhesiveness are affected by environmental factors.

You or your dealer should inspect all sealants at least every six months, checking the roof, all four sides of the vehicle, and all moldings, doors, vents, and exterior attachments. A quick walk-around inspection before each trip can help prevent potential problems. Replace sealant if you notice any cracks, peeling, voids, gaps, breaks, looseness, or any signs of deterioration. Reseal the vehicle at least once a year as part of preventative maintenance.

Always use the same type of sealant that was originally applied. Your dealer's service or parts manager can help you obtain the correct sealants. Road vibration, UV exposure, air pollution, freezing temperatures, and other elements can damage sealants. Repair any deteriorated sealants immediately to prevent further damage. Cap seal all trim and openings at least once after the first year and then as cracks, peeling, lifting, and shrinkage appear.

If you notice water inside the RV, have your dealer inspect for leaks immediately. Failing to address leaks can lead to serious damage, which may not be covered under warranty. For any questions or assistance with sealing your recreational vehicle, consult your RV dealer.

⚠ WARNING ⚠ EXTERIOR WARNING

ENGINE & GENERATOR COMPARTMENT (See page 75

- Do not operate the motorhome unless the engine hood, engine access cover, and generator compartment hood are securely closed.
- Keep people and pets clear of the rear of the coach while operating the engine compartment door. Keep hands and other body parts clear of the door, hinges and mechanism. Failure to act in accordance to these warnings may result in serious personal injury.

WINDOWS See page 75

To avoid exhaust gas entry into the motorhome, keep windows closed when the chassis or generator engines are running.

⚠ CAUTION ⚠ EXTERIOR CAUTION

WAXING See page 75

- Do not use waxes containing high-abrasive compounds. Such waxes remove rust and stains effectively from the paint work, but they are also harmful to the luster of the painted surface since they scrape off the coating. Further, they are detrimental to glossy surfaces, such as the grille, garnish, moldings, etc. Do not use gasoline or paint thinners to remove road tar or other contamination to the painted surface.
- Do not use a buffer and a buffing compound as it may damage the exterior surface. Please contact a professional paint body shop for assistance.

CLEANING PLASTIC PARTS See page 74

Do not allow plastic to come into contact with brake fluid, engine oil, grease, paint thinner, or battery acid. These will damage plastic. Use a soft cloth and a mild detergent solution to wipe away any such contact.

MUD FLAP See page 75

The mud flap(s) should never be tilted towards the exhaust pipe when the motorhome is not in motion or when the motorhome is moving in reverse. Caution should be used when parking the motorhome to assure the mud flap does not become caught or hung up on stationary items on the ground. This could result in damage to the mud flap(s).

SEALANTS See page 76

- Failure to properly maintain or reseal your recreational vehicle may result in serious water damage to the roof and other parts of the recreational vehicle. This damage is not covered by the **Limited Warranty.**
- To check the exterior sidewall sealants, use a stepladder placed safely alongside the vehicle. Do not prop a ladder against the body of the RV as it may damage the exterior finish.

SECTION 14: CHECKLISTS



MOTORHOME STORAGE

Properly preparing your motorhome for storage during periods of non-usage is essential to prevent problems and make it easier to start your next camping trip or season. Follow these guidelines to ensure your motorhome is well-prepared:

Prior To Storage:

- Chassis Preparation: Follow the Chassis Guide for preparing the chassis. Use fuel additives and supplements if recommended
- Exterior Care: Wash and wax the vehicle's exterior. Perform a sealant inspection and make repairs as needed.
- Tire Inspection: Inspect and clean the tires, checking for wear, cracks, and proper inflation pressure.
- Rodent and Insect Prevention: Seal off any entry points for rodents, birds, or insects. Cover all external outlets such as the furnace and vents. Note that damage from pests is not covered under the "Motorized Transferable Limited Warranty."
- Ventilation: Close all windows, roof vents, and the range hood vent
- Furnace Settings: Turn the furnace thermostat(s) to the OFF position if equipped.
- Water System: Drain all water lines and ensure the motorhome is winterized. Winterize the toilet, appliances (dishwasher, refrigerator, clothes washer), and flush all holding tanks (fresh water, grey water, black water, and/or hot water tanks).
- Fuel Stabilizer: Add fuel stabilizer to the generator to prevent condensation and fuel varnishing.
- Battery Management: Turn OFF the 12-volt battery disconnect switch and the inverter mode at the remote. Disconnect the batteries to prevent discharge.
- Refrigerator Preparation: Remove all perishables from the refrigerator/freezer. Defrost, clean, and dry the interior, then prop (or block) the doors open to allow air circulation and prevent mildew.
- Cabinet Care: Remove all perishables from the cabinets. Leave cabinet doors ajar to allow air circulation and prevent mildew and musty odors.
- Lock and Hinge Lubrication: Lubricate locks and hinges on exterior doors.

While The Motorhome Is Stored:

- Snow Removal: If stored outside in areas with heavy snow, periodically brush off the snow to prevent excessive accumulation and potential roof damage.

TRAVEL CHECKLIST

Below is a preliminary list of items to check before leaving your home or campsite. This general checklist can be customized based on your specific needs. Refer to your Chassis Guide for details on chassis pre-trip inspections and maintenance.

Safety

Follow all safety precautions noted in this owner's manual and any manufacturer's operator manuals when preparing to travel.

Before Leaving Home:

- Fluids and Fuel:
- Check all fluids (engine oil, transmission fluid, engine coolant, power steering fluid, and windshield washer fluid).
- Check the fuel gauge and lights on the motorhome. Have someone observe the operation of all exterior lights while you activate the controls. Check the turn signal and high beam indicators on the instrument panel.
- Tires:
- Examine tires for excessive or uneven tread wear. Look for stones, nails, glass, or other objects lodged in the tread. Check for tread cuts or sidewall cracks.
- Check tire pressure and adjust according to manufacturer specifications.
- Inspect wheel nuts for tightness.
- Locks and Latches: Inspect and work all interior and exterior latches and locks; lubricate if necessary.
- Batteries: Ensure batteries are fully charged and installed correctly. Turn ON the 12-volt battery disconnect switch.
- Electrical System:
- Inspect the power cord and clean the contacts if necessary. Plug it into an appropriate power source.
- Turn on interior lights and check outlets for polarity. Replace any blown fuses, check circuit breakers, and test the GFCI circuits.
- Safety Detectors: Inspect and test all safety detectors. Replace any drained or discharged batteries. Replace defective or damaged detectors immediately.
- Leveling Jacks: Check the leveling jacks for operation and perform maintenance as needed.
- Lights: Test all exterior and interior lights. Replace any burnt-out bulbs.
- Chassis Preparation: Prepare the chassis portion of the motorhome for the camping season according to the Chassis Guide.
- Exterior Care: Wash the exterior of the motorhome. Perform a sealant inspection and repair as necessary.
- Water System:
- De-winterize and sanitize the system.
- Fill the fresh water tank. Disconnect, drain, and store the garden hose on the bracket.
- Towing Setup: If towing a vehicle, connect it to the motorhome and test all connections and lights (if applicable).
- Brakes: Test brakes for proper operation.
- Seat Belts: Check seat belt buckles and release mechanisms for positive action and secure connections.

Before Leaving the Campsite:

- Leak Inspection: Check under the motorhome for fuel, water, oil, or other fluid leaks after overnight parking. Correct any leaks immediately.
- Holding Tanks: Empty the black and gray holding tanks, and rinse as needed.
- Awning and Vents: Retract awnings and secure them for transport Close all roof vents.
- Windows and Blinds: Close windows and latch blinds.
- Connections: Disconnect cable TV and phone hookups, and lower the TV antenna.
- Systems Shutdown: Turn off interior lights, water heater, furnace, and water pump. Secure any loose, heavy, or sharp objects in the motorhome or exterior compartments.
- Power and Water: Disconnect the power cord and store it correctly Disconnect any water connections. Turn off the water pump and water heater (if applicable).
- Security Check: Fasten all interior and exterior doors securely; lock them if applicable. Latch drawers, cabinets, and doors. Move slideout(s) in and lock it in place (if applicable).
- Final Walkthrough:
- Walk around your motorhome one last time to ensure everything is stored away and that baggage compartments are closed and locked.
- Lock the refrigerator door.
- Turn off the furnace.
- Ensure leveling jacks are retracted to the travel position.
- Retract the step.
- Secure and lock the entrance door.



SECTION 15: ADDITIONAL INFORMATION



HELPFUL LINKS

Disclaimer: These links are being provided as a convenience and for informational purposes only; they do not constitute an endorsement by Entegra Coach, Inc. or any of its subsidiaries regarding any of the products, services, or opinions contained within. Entegra Coach, Inc. bears no responsibility for the accuracy, legality or content of the external site or for that of subsequent links. Contact the external site for answers to questions regarding its content.

CLUBS & ORGANIZATIONS

FMCA

fmca.com

The FMCA educates, equips, and empowers RV owners in their journey to creating, experiencing, and benefiting from the outdoor lifestyle they dream of and deserve. All motorized and towable RVs welcome.

Good Sam Club

goodsam.com

Part of the RV community since 1966, Good Sam was founded on the idea of being good, doing good, and helping others. With over 2 million Good Sam Members and over 2100 Good Sam Parks and campgrounds, Good Sam makes it easy to travel and connect. Good Sam also offers a full suite of protection products including insurance, roadside assistance, extended service plans, and more.

Harvest Hosts

harvesthosts.com

Harvest Hosts is an RV membership program that provides unlimited overnight stays at thousands of locations nationwide such as farms, breweries, wineries, and much more. New members save 20% off of their first year of membership with the code JAYCO20.

Passport America

passportamerica.com

Passport America is a discount membership club that provides half price camping to a network of Over 1,200+ quality campgrounds and RV parks throughout the U.S., Canada and Mexico.

TRAVEL RESOURCES

Bring Fido

bringfido.com

Explore over 500,000 places to stay, play, and eat with your dog.

U.S. Dept. of Transportation

fhwa.dot.gov/trafficinfo/index.htm

Federal Highway Administration's National Traffic and Road Closure Information

National Weather Service

weather.gov/alerts

National Weather Service Weather Alerts

Roadtrippers

roadtrippers.com

Plan your next road trip route with Roadtrippers. Enter where you want to start and finish your road trip, and then discover the coolest "off the beaten path" places along the way.

Included in "Roadpass Pro".

Sanidumps

sanidumps.com

Sanidumps is a comprehensive RV dump station search site.

Togo RV

togorv.com

Features and benefits include RV-specific GPS navigation, high-value member discounts, access to free boondocking locations, service and maintenance schedule tracking, customizable checklists, RV Living stories, and a mobile repair locator.

Included in "Roadpass Pro".

CAMPSITE LOCATORS

Go Camping America

gocampingamerica.com

Whether you're planning the cross-country trip of a lifetime or just a weekend getaway, GoCampingAmerica.com is the best way to find the perfect home away from home for your next adventure.

AllStays

allstays.com

AllStays has comprehensive lists, maps, aps, and search tools for over 37,000 campsites.

National Park Service - Find a Park

nps.gov/findapark

The National Park Service website is a great resource for information on the national parks across the country. From there you can find a park, research events, and discover trip ideas.

Campendium

campendium.com

Campendium lists tens of thousands of places to camp, vetted by their team, and reviewed by over 750,000+ members.

Included in "Roadpass Pro".

RV Life Campground Reviews

campgrounds.rvlife.com

RV Life Campground Reviews will help you find a campground with easy to use maps and visitor reviews.

USCampgrounds.info

uscampgrounds.info

Web listing of over 13,000 public campgrounds in the US and Canada that are vehicle-accessible, family campgrounds with 4 or more campsites.





NEWS & STORIES

Go RVing

gorving.com

The Go RVing program is the consumer-facing voice of the RV industry with a mission to inspire potential RVers, spark curiosity, and raise awareness about the benefits and accessibility of RVing through rich, authentic, and diverse storytelling.

OTHER INFORMATION

Neighbor

neighbor.com/rv-storage-near-me

Get out and use your RV more, store it with a neighbor. Find a spot on Neighbor.com—the world's largest RV storage & self-storage marketplace. Find space in your neighborhood today, it's closer, safer, and cheaper than traditional RV storage. Neighbor.com, like it never left home.

RVIA

rvia.org

RV Industry Association is the leading trade voice of the RV industry, representing approximately 495 manufacturers and component and aftermarket suppliers who together produce 98 percent of all RVs made in the United States, and approximately 60 percent of RVs produced worldwide.

Roadpass Pro

roadpass.com/pro

Purchasing a new Jayco Family RV makes you eligible for one FREE year of Roadpass Pro, which includes bonus features to the apps "Campendium", "Roadtrippers", and "Togo RV".

Visit roadpass.com/first to sign up.

Current owners can receive a 30% discount on Roadpass Pro using the discount code below for your RV.

- Entegra Coach: ENTEGRA30
- Highland Ridge RV: HIGHLANDRIDGE30
- Jayco RV: JAYCO30
- Starcraft RV: STARCRAFT30

Make: _____

Model: _____

Model Year: _____

Vehicle Serial #: _____

MAINTENANCE RECORD

Date	Mileage	Work Performed	Performed by	Notes

NOTES:

NOTES:



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