

FOREST RIVER



Class A Gas Motorhome Owner's Manual

BEGIN THE JOURNEY!



Welcome Letter



Welcome Home!

Welcome to the Forest River family and thank you for selecting a Forest River Inc. product. Congratulations for choosing a lifestyle that will provide you the freedom to enjoy recreation wherever you may choose.

This Owner's Manual is designed as a Quick Reference Guide for the operation and care of your new purchase. For more complete instructions regarding safety, maintenance and operation of the items used in the manufacturing of your RV, carefully read the booklets supplied by the component manufacturers. All information contained in this manual may not relate to your specific model; however, booklets supplied by the component manufacturers and included in your Owner's packet will provide any additional information needed. You can also access this information by visiting www.forestriverinc.com and selecting the appropriate prompts or by downloading the mobile phone app at the Apple™ APP Store or Google Play™ for Android™.

Your dealership personnel should be able to answer any questions or concerns you may have regarding your new product. If your dealer is unable to do so, please feel free to contact our Customer Service department for assistance. Your dealership will provide you with the appropriate contact information.

Your recreational vehicle was built using the high standards set by Forest River Inc. and following the strict guidelines set forth by the Recreational Vehicle Industry Association (RVIA) as well as complying with the requirements of all applicable state and federal agencies.

Please carefully read the Limited Warranty in the front of this manual. Forest River Inc. has no other expressed or implied warranties of any type. You, as the owner, are responsible for providing proper maintenance as outlined in the manual and as set forth in the component manufacturer's booklets.

NOTE:

FAILURE TO PROPERLY MAINTAIN YOUR RV COULD RESULT IN LOSS OF WARRANTY COVERAGE

Several of our component manufacturers carry their own warranties and require separate warranty information to be filed with them. Please read all component manufacturers' owner's manuals provided with your RV and file appropriate individual warranty cards as required.

You have joined an elite group, and as you begin making great memories using your new Forest River RV, we wish you many exciting and adventurous days of RV camping.

LIMITED WARRANTY MOTORIZED PRODUCTS

FOREST RIVER INC.

RECREATIONAL VEHICLES BY FOREST RIVER INC.

Thank you for choosing to purchase a Recreational Vehicle by Forest River Inc., a fine product in which design and construction have received the care that quality demands. This important warranty covers many items and is indicative of our desire to stand behind our products and assure our customers' complete satisfaction. If at any time the need arises to speak with a Forest River representative please find our contact information in our owner's manual or at www.forestriverinc.com.

WARRANTY COVERAGE SUMMARY OF WARRANTY: Forest River Inc., 55470 CR 1, P.O. Box 3030, Elkhart, Indiana 46515-3030 (Warrantor) warrants to the ORIGINAL CONSUMER PURCHASER ONLY, when purchased from an authorized Forest River Inc. dealer, for a period of one (1) year from the date of purchase or (12000) twelve thousand miles, whichever occurs first (Warranty Period), that the body structure of this recreational vehicle shall be free of substantial defects in materials and workmanship attributable to Warrantor.

EXCLUSIONS FROM THIS WARRANTY: Warrantor expressly disclaims any responsibility for damage to the unit where damage is due to condensation, normal wear and tear or exposure to elements. Warrantor makes no warranty with regard to, but not limited to, the motorhome chassis including without limitation, the engine and drivetrain, any mechanical parts or systems of the chassis, tires, tubes, batteries and gauges, optional generators, routine maintenance, equipment and appliances, or audio and/or video equipment. Their respective manufacturers and suppliers may warrant some of these items. Warranty information with respect to these items is available from your dealer.

The Warrantor further makes no warranty with regard to any product used for commercial purposes, as a permanent or full time residence or as a rental unit, or any product not registered and normally used in the United States or Canada.

LIMITATION AND DISCLAIMER OF WARRANTIES: WARRANTOR EXPRESSLY LIMITS THE DURATION OF ALL EXPRESS AND IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE EXCEPT IN THOSE STATES THAT DO NOT ALLOW THIS EXCLUSION. WARRANTOR EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AFTER EXPIRATION OF THE WARRANTY PERIOD. No action to enforce express or implied warranties shall be commenced later than ninety (90) days after expiration of the warranty period. There is no warranty of any nature made by the Warrantor beyond that contained in this Warranty. No person has authority to enlarge, amend or modify this Warranty, except this Warrantor.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

No action to enforce express or implied warranties shall be commenced without prior written notice to the manufacturer and/or warrantor at the address listed above of the alleged defect or nonconformity or the authorized repair facility's failed repair attempt and MANUFACTURER, AT ITS DIRECT OPTION, SHALL HAVE A FINAL OPPORTUNITY TO REMEDY.

DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES: THE ORIGINAL CONSUMER PURCHASER OF THIS RECREATIONAL VEHICLE AND ANY PERSON TO WHOM THIS UNIT IS TRANSFERRED, AND ANY PERSON WHO IS AN INTENDED OR UNINTENDED USER OR BENEFICIARY OF THIS UNIT, SHALL NOT BE ENTITLED TO RECOVER FROM WARRANTOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

WARRANTOR'S OBLIGATIONS: Warrantor will remedy substantial defects in materials and workmanship caused by Warrantor. Warrantor shall elect to remedy the defect from among the following: repair, replacement or refund. Warrantor may not elect refund unless the Purchaser agrees, or the Warrantor is unable to provide replacement and repair is not commercially practicable. Warranty performance can only be obtained at Warrantor's authorized dealers and service centers and from Warrantor at the discretion of the Warrantor. All costs incurred in transporting this recreational vehicle for warranty service shall be borne by Purchaser. Warrantor shall remedy the defect within a reasonable amount of time after appointment and delivery by Purchaser. All of Warrantor's expenses in remedying the defect shall be borne by the Warrantor.

PURCHASER'S OBLIGATIONS: Purchaser must complete, sign and return the owner's registration within ten (10) days of purchase to validate this Warranty. The return of this registration is a condition precedent to warranty coverage; failure to return the completed registration to the Warrantor will invalidate this warranty. Purchaser shall deliver this recreational vehicle for warranty service within a reasonable time after discovery of the defect and in no event after expiration of the Warranty period, which Warranty Period is one (1) year or (12,000) twelve thousand miles, whichever occurs first. All expenses incurred by Purchaser in obtaining warranty service shall be borne by Purchaser. Warranty service shall, whenever possible, be scheduled with the selling dealer by an appointment in order to avoid possible delays. Purchaser can, if necessary, obtain a list of persons authorized to perform warranty service by contacting Warrantor at the above address. No action to enforce express or implied warranties shall be commenced without prior written notice to the manufacturer and/or warrantor at the address listed above of the alleged defect or nonconformity or the authorized repair facility's failed repair attempt and MANUFACTURER, AT ITS DIRECT OPTION, SHALL HAVE A FINAL OPPORTUNITY TO REMEDY.

EVENTS DISCHARGING WARRANTOR FROM OBLIGATION UNDER THIS WARRANTY: Misuse or neglect, including failure to provide reasonable and necessary maintenance, unauthorized alteration, accident, and improper loading, use as a permanent residence, commercial use or leasing of the recreational vehicle, shall discharge Warrantor from any obligation under this Warranty.

PARTS AND DESIGN CHANGES: Warrantor reserves the right to change the parts and design of its recreational vehicle from time to time without notice and with no obligation to maintain spare parts or make corresponding changes in its products previously manufactured.

OBTAINING WARRANTY SERVICE: To ensure your local dealer's personal interest in your complete satisfaction, it is recommended that all warranty service be performed by the authorized dealer from whom you purchased your unit. Following a move or as you are traveling, should warranty service become necessary, such service shall be performed by any authorized dealer in the United States or Canada. Such service shall also, whenever possible, be scheduled by an appointment in order to avoid possible delays.

WARRANTY REGISTRATION: A warranty registration is to be completed by the owner at the time of purchase and returned to the Warrantor. The return of this registration is a condition precedent to warranty coverage; failure to return the completed registration to Warrantor will invalidate this Warranty.

OTHER WARRANTIES: As indicated in the paragraph above, entitled 'Exclusions From This Warranty', certain items that are not covered by this Warranty may be warranted separately by their manufacturers or suppliers. In order to validate those warranties, you may also be required to complete and return to the appropriate manufacturer the warranty forms included with the information package. These other warranties may cover, but are not limited to, such items as the motorhome chassis including without limitation, the engine and drivetrain, any mechanical parts or systems of the chassis, tires, tubes, batteries and gauges, optional generators, routine maintenance, equipment and appliances, or audio and/or video equipment which are not covered by this Limited Warranty. For service or parts required for these products, it may be necessary to write or call the product manufacturer to obtain the nearest authorized service center location. In requesting parts for separately warranted products from the manufacturer of the product or its authorized service center, it may also be necessary to first obtain a warranty work authorization number before the work is done. It may also be necessary to provide the Product Name, Model and Serial Number along with the description of the problem and part needed, plus shipping instructions. See these warranties with respect to their terms and conditions.

OWNER ASSISTANCE: Your confidence and goodwill are important to Forest River Inc. as is maintaining a pleasant relationship with our dealers. We, at Forest River, recognize that there may be occasions when a warranty or service problem is not handled to your satisfaction. After discussing the situation with the dealership management, if your problem has not been resolved to your satisfaction, we welcome you to contact the Forest River Customer Service Manager at the address listed above. Our recommendations for an agreeable solution will be communicated to the local dealer. **Forest River customer service contacts can be found in our owner's manual or by visiting www.forestriverinc.com.**

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

TABLE OF CONTENTS

INTRODUCTION	1	PLUMBING	36
Welcome Letter	1	Fresh Water	36
Warranty	2	Water Center Panel	36
CUSTOMER INFORMATION	4	Traveling with Water	36
Manufacturers Warranties	4	Monitor Panel/Command Center	37
Dealer's Responsibilities	5	Water Pump	37
Customer's Responsibilities	5	Sanitization	38
Reporting Safety Defects	6	Waste Water/Holding Tanks	38
Warranty/Pre-Delivery (Sample) Forms	7	Toilet	39
How to Contact Us	8	Winterization and De-winterization	40
Coach-Net™ Roadside Assistance	9	Fresh Water Holding Tanks	41
IDENTIFICATION AND SAFETY	10	Water System Maintenance And Troubleshooting ..	42
Vehicle ID Decals and Plates	10	APPLIANCES	43
Vehicle Serial Number Label	10	Kitchen	43
Safety Regulations and Propane	10	Heating/Cooling	46
Airbag and Seatbelt Safety	11	Entertainment/Electrical	49
Safety Devices	13	CARE AND MAINTENANCE	52
Fire Safety	14	Fiberglass	52
Tire Safety	15	Water Pump	52
WEIGHING, LOADING AND TOWING	19	Windows and Doors	52
Cargo Carrying Capacity	19	Frame/Extrusions/Aluminum Surfaces	53
Weight Terminology	19	Roof	53
Weighing Your Motorhome	19	Propane System	53
Loading Tips	20	Lights	53
Packing For Travel	21	Storage Tips	53
Towing a Boat, Trailer or Car	22	Heating Pads	54
LEVELING JACKS AND SLIDE ROOM OPERATION	23	Care and Maintenance Charts	55
Selecting a Campsite	23	Effects of Formaldehyde	55
Campsite Parking	23	WaterPur™ Water Treatment System	56
Leveling Jacks Operation	24	Maintenance Schedule	58
Slide Room Operation	25	APPENDIX A	59
LIVING QUARTERS	28	INDEX	60
Prolonged Occupancy	28		
Condensation and Humidity	28		
Propane	29		
Electrical System Control	31		
Batteries	32		
Power Converter/Inverter	34		
Fuses and Circuit Breakers	34		

CUSTOMER INFORMATION

Manufacturers Warranties

The following list of components has been compiled to help you know which products installed on your recreational vehicle may have their own warranties. If you have any of these components on your RV, be sure to check the manufacturer's literature supplied with your RV Owner's packet to confirm whether they require you to register your purchase with them to validate their warranty. These warranties usually apply only to the first owner of the recreational vehicle. We recommend that you send the various warranty registration cards immediately before any time constraints on registration expire.

Manufacturer's literature is supplied by each individual company according to the specific items used in the production of your RV. This information is part of the Owner's packet you received with your RV. Only those products which are used on your RV will be included in this packet. Inspect this literature with your dealer during the pre-delivery inspection and report any literature shortage to the dealer at that time.

APPLIANCES

- Range
- Water Heater
- Range Hood
- Microwave/Convection Oven
- Coffee Maker
- Refrigerator
- Ice Maker
- Roof Air Conditioner
- Heaters
- Furnace
- Radio/Clock
- TV/VCR/CD/DVD
- GPS

WATER & DRAINAGE

- Water Pump
- Purifier
- Faucet
- Toilet
- Holding Tank
- Propane
- Propane Tanks
- Regulator

US ELECTRICAL

- 120VAC/12VDC Converter
- Inverter
- Generator
- Battery

MISCELLANEOUS

- Fire Extinguisher
- CO Detector
- Smoke Detector
- Propane Detector
- Rear Ladder

CHASSIS

- Hitch
- Leveling/Stabilizing Jacks

NOTE:

A component manufacturer is one who produces a product which is used in the production of your RV.

Taking Delivery

There are two forms the dealer will complete concerning your new recreational vehicle, the PDI (Pre-Delivery Inspection sheet) and the Warranty Registration form. If you do not have a copy in your Owners packet, request a copy of these forms for your records. They are an important part of the history of your RV. A qualified dealer representative will perform a 'walk-through' demonstration which will provide you with important information regarding the operation of your RV. Be sure you fully understand the information given and the proper functioning of your RV to ensure you have the best camping experience possible. Your dealer will fully explain all the system functions and will supply component information for items used in the manufacture of your recreational vehicle.

Making a Service Appointment

When you call to schedule your appointment, have the following information available:

1. RV Identification Number (17 letters and digits, sometimes referred to as a serial number).
2. Type of RV (for example, 2008 Cherokee Wolf Pack fifth wheel).
3. Date of purchase.
4. Description of the problem.
5. History or repairs and repair center location (where the repairs were performed).
6. A calendar with your schedule noted for convenience in coordinating a service date that works for you and the repair center.

Organize

Planning ahead and being prompt when having service are beneficial for all. When someone misses his or her appointment, or arrives late, it disrupts the service schedule for the entire day. Please be courteous, and drop your RV off at the scheduled time and on the scheduled date. Have a list ready, be specific, and be reasonable with your expectations. Some repairs may require special-order parts.

Waiting at the Repair Facility

For safety reasons, most insurance policies prohibit non-employee personnel to be in the work area. If it is necessary for you to wait until the repairs are completed, most dealers provide you with a safe, comfortable customer lounge.

Dealer's Responsibilities

1. The selling dealership is responsible for inspecting both factory and dealer installed components for proper operation. This is known as the pre-delivery inspection and systems check.
2. Your dealer is required to provide a thorough and complete walk-through demonstration. This demonstration should provide a good understanding of how your new RV operates.
3. The owner's information packet should be presented at this time. This information should include all warranty cards, component information, operation and maintenance instructions relating to your new RV.
4. All component warranty forms should be discussed and/or completed at this time. Your selling dealer should assist you in understanding any and all limited warranty provisions to help you avoid loss of warranty for any reason. Ask any questions you may have before leaving the dealership.
5. Your dealer should provide you with information concerning any need for service for your RV, whether in or out of their area. They should provide contact numbers for the dealership both during and after hours along with contact information for the correct Forest River division.

Customer's Responsibilities

1. Regular and proper maintenance - As the owner, you have the responsibility to properly maintain your recreational vehicle. Be sure you have service performed in a timely manner; don't ignore a problem. It isn't always necessary to take your RV to a service center; sometimes a phone call is all that is needed. The service technicians can advise you.
2. Familiarize yourself with your RV. Observe all the component manufacturers' instructions regarding the use and service of their products.
3. Complete and send in all the warranty cards. Doing so may help you avoid conditions arising from neglect that are not covered under warranty.

NOTE:

Modifications to your RV, without written authorization from Forest River Inc., could result in reduction or loss of warranty coverage. Contact your dealer before making such changes.

The following is a list of suggestions to assist you in avoiding most warranty issues:

1. Read your warranties and review them with your selling dealer. The dealer's obligation is to educate you regarding the proper and safe operation of your RV and all its components.

2. Be sure to inspect the entire RV and note any service issues.
3. Locate all paperwork and ask any questions you may have before leaving the dealership.

NOTE:

Forest River Inc. wants you to have the best possible adventure with your new RV. To get the most enjoyment out of your new RV and to ensure you fully understand how your new recreational vehicle operates, please address immediately any questions or concerns you may have regarding your RV with your dealer before using your RV for the first time.

NOTE:

Use your new recreational vehicle responsibly. Your camper was not designed to be used as a permanent dwelling, but for short-term and recreational use. If you intend to use your RV as permanent housing, it could cause premature wear on your appliances, furnace, water systems, carpet, drapes, upholstery, bedding and interior surfaces. This premature wear caused by permanent residency may be considered abnormal or abusive use and could reduce or in some cases void your warranty coverage.

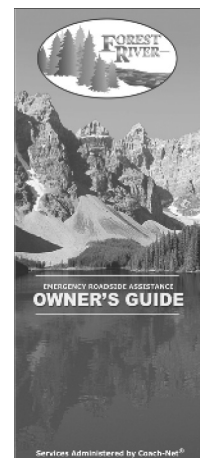
Coach-Net®

Coach-Net®

RV Technical & Roadside Assistance

When you take delivery of your new Forest River Inc. recreational vehicle, you are provided with an emergency roadside assistance service - free. We've teamed up with the largest RV emergency roadside assistance company in the country to give you immediate access to fast, dependable service when and where you need it. This is a comprehensive emergency roadside service that is available to you 24/7, around the clock.

For complete details regarding how to access your Forest River emergency roadside assistance and product support plan benefits, call 1-877-801-0333 or see the information in the back of this manual.



CUSTOMER INFORMATION

Reporting Safety Defects

THE FOLLOWING IS ADDED AS A REQUIREMENT OF THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA).

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

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

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 400 Seventh Street SW, Washington, D.C. 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

NOTE:

If you have repairs performed by a non-Forest River repair center, you still must return the defective part to Forest River to be considered for warranty repair reimbursement.

Warranty/Pre-Delivery (Sample) Forms

Forest River Warranty Registration Form

FOREST RIVER COPY SEND TO PLANT OR UNIT ORIGIN

12345

MOTORIZED

CUSTOMER DELIVERY AND WARRANTY REGISTRATION FORM

DEALER TO ASSURE THAT THIS FORM IS PROPERLY COMPLETED & RETURNED TO FOREST RIVER, INC. WITHIN (10) WORKING DAYS AFTER PDLS IS PERFORMED. (SEE BACK OF FORM FOR CORRECT MAILING ADDRESS)

FOREST RIVER, INC.



OWNERS NAME: _____ CHASSIS VIN # _____

E-MAIL ADDRESS: _____

ADDRESS: Street: _____ City: _____ State: _____ Zip: _____

State: _____ Street: _____ City: _____ State: _____ Zip: _____

DEL DATE: _____ PHONE #: _____ FOREST RIVER INC, SERIAL # (LAST 7 DIGITS) _____ ODOMETER READING _____ BRAND: _____ MODEL #: _____

PLEASE MARK EACH ITEM OK OR NA (NOT APPLICABLE)

ELECTRICAL SYSTEM	APPLIANCES (cont.)	EXTERIOR
120 VOLT SYSTEM/CIRCUITS, BREAKERS, OPERATION	AIR CONDITIONER & THERMOSTAT	ENT. DOOR(S)/COMPT. DOORS/LOCKS-ALL KEYS
120 VOLT AUXILIARY GENERATOR OPERATION	MICROWAVE	ENTRANCE STEP(S) LEVEL/SECURE TO FRAME/ALIGNED
12 VOLT/CONVERTOR CIRCUITS, FUSES, OPERATION	WASHER/DRYER	PAINT GRAPHICS, SIDING IN GOOD CONDITION
GROUND FAULT CIRCUIT INTERRUPTOR (GFCI)	CENTRAL VACUUM	TRIM/SEALANTS, WINDOWS, ROOF BODY
ALL INTERIOR LIGHTS, RECEPITS, SWITCHES	LP GAS SYSTEM	AWNING DEMONSTRATED/CANVAS CHECKED
ALL EXTERIOR LIGHTS, RECEPITS, SWITCHES	LOCATION OF LP LINES & CONNECTIONS SECURE	STABILIZER JACKS DEMONSTRATED
BATTERY SYSTEM	OPERATION OF REGULATOR	EXTERIOR MAINTENANCE PROCEDURES EXPLAINED
PHONE/CABLE/SATELLITE FUNCTIONS	EXTERIOR GRILL USE & OPERATION DEMONSTRATED	SLIDE OUT(S) (IF APPLICABLE)
AUDIO/VIDEO ENTERTAINMENT SYSTEM FUNCTIONS	LP BOTTLES FILLED AND IN GOOD CONDITION	OPERATION & MANUAL OVERRIDE DEMONSTRATED
PROPANE DETECTOR/ENTERTAINMENT SYSTEM FUNCTIONS	WATER PLUMBING SYSTEM	INTERIOR EXTERIOR SEALS CHECKED
SMOKE DETECTOR	POTABLE WATER INTAKE DRAIN LOCATIONS	HYDRAULIC OR ELECTRIC PUMPLINES CHECKED
ALL INTERIOR FANS	DEMAND PUMP DEMONSTRATED	SLIDE OUT TOPPER(S) CANVAS OPERATION CHECKED
STABILIZER JACKS (IF ELECTRIC)	CITY WATER FILL CONNECTIONS	CHASSIS
SHORE CORD INSPECTION & OPERATION	FALCETS/FIXTURES/NO. W/D WATER PRESSURE CHECKED	CHECK ALL FLUID LEVELS
INVERTOR OPERATION & FUNCTION	WINTERIZING PROCEDURE/EMBASSY PASS DEMONSTRATED	TIRE CONDITION & PRESSURE SET @ PSI (INCL. SPARE)
DRIVER DASH CONTROLS & SWITCHES	EXTERIOR SHOWER DEMONSTRATED	WHEEL LUG TORQUE SET PER MFG. INSTRUCTIONS
HYDRAULIC LEVELING JACKS FUNCTIONS	BLACK HOLDING TANK/WASTE VALVE OPERATIONS	HANDLING/TRANSMISSION/CRUISE/ETC.-ALL VERIFIED
BACKUP CAMERA & MONITOR	GREY HOLDING TANK/GATE VALVE OPERATIONS	GENERAL
APPLIANCES	FRESH WATER TANK FILLED/EMPTIED	UNIT CLEANED
RANGE/OVEN	TOILET OPERATION	ALL ACCESSORIES (INCLUDING REMOTES) ARE IN UNIT
WATER HEATER	BLACK TANK CLEANOUT DEMONSTRATED/EXPLAINED	ALL WARRANTY FORMS ARE COMPLETED & REVIEWED
REFRIGERATOR	WATER FILTER OPERATION DEMONSTRATED	ALL REQUIRED LITERATURE IS IN UNIT
	ALL FITTINGS TIGHT/NO SYSTEM LEAKS	ALL OWNERS MANUALS IN UNIT & REVIEWED
	P-TRAPS/VENTS TIGHT/CONNECTED	

LIST DEALER INSTALLED OPTIONS (THESE ARE NOT COVERED UNDER THE FOREST RIVER, INC. LIMITED WARRANTY)

OWNER/DEALER INSPECTION REVIEW

- EXTERIOR & INTERIOR FIT & FINISH
- OPERATED ALL APPLIANCES, OPTIONAL EQUIPMENT & ACCESSORIES (REVIEWED MAINTENANCE & SAFETY OF LP GAS SYSTEM)
- EXPLAINED WEIGHT RATINGS, LIMITATIONS & PROPER LOAD DISTRIBUTION, RUNNING GEAR/FRAME OR CHASSIS MAINTENANCE
- OPERATED ALL FRESH WATER & PLUMBING COMPONENTS, INCLUDING PROPER WINTERIZATION & DRAIN LOCATIONS
- REVIEWED TOW VEHICLE GVWR, HITCH, SWAY CONTROL, SET-UP, BRAKE CONTROL & OFFERED A TEST DRIVE WITH MY VEHICLE
- COMPLETE REVIEW OF OWNERS MANUALS & HIGHLIGHT OF SAFETY ISSUES

I have completed the above inspections on this family recreation vehicle to my satisfaction and have been offered a test drive at the time of purchase. I understand that issues regarding damage such as scratches, tears, dents, broken items, etc. will not be warranted except those noted in this space:

I have had the opportunity to review the Forest River, Inc. Limited warranty during the purchase of this unit and I understand that this product is designed to be used for recreational camping and travel. I have been given the opportunity to make notations in the space provided above, have observed or received satisfactory explanations to all questions regarding the items listed during this delivery process.

DATE _____

PURCHASER'S SIGNATURE _____

DEALER'S SIGNATURE _____

F-0910

CUSTOMER INFORMATION

How to Contact Us

Coachmen RV

P.O. Box 30, Middlebury, IN 46540
Email: CRVinfo@forestriverinc.com
Phone: (800) 353-7383

Dynamax

2745 Northland Drive, Elkhart, IN 46514-7619
Phone: (888) 295-7859

Forest River RV

Georgetown Blue Ridge Cardinal
Phone: (574) 206-7600
Web: <http://www.forestriverinc.com/ContactUs.aspx>

Coach-Net™ Roadside Assistance

Emergency Roadside Assistance

When you take delivery of your new Forest River RV, you can travel worry-free knowing you have an RV technical expert and emergency roadside assistance just a phone call away. We've teamed up with one of the largest, independently owned emergency roadside assistance providers in the country to give you immediate access to fast, dependable service when and where you need it. Coach-Net RV Technical & Roadside Assistance has been included in your purchase - FREE for 1 year!

For further details regarding how to access your Emergency Roadside Assistance, please call 1-877-801-0333.

BENEFITS

EMERGENCY ROADSIDE ASSISTANCE	✓
RV TECHNICAL ASSISTANCE HOTLINE	✓
RV SERVICE APPOINTMENT SERVICE	✓
EMERGENCY TRIP INTERRUPTION	✓
EMERGENCY MESSENGER SERVICE	✓
NATIONWIDE TRIP ROUTING	✓

Benefits

- On-Site Emergency Roadside Assistance includes services such as towing, flat tire assistance, delivery of emergency fluids, jump start/battery boost and lockout/locksmith Winch out or extraction services required in order to tow the disabled vehicle are covered for one man, one truck for two hours or two men, two trucks for one hour up to 100 feet off a maintained road or in a commercial campground.
- RV Technical Assistance Hotline is staffed with certified technicians and factory-trained representatives who understand the unique needs of RVers. Having access to a RV expert who can guide you through many common operational issues over the phone is priceless.
- RV Service Appointment Assistance is a hassle-free way of arranging for a service appointment when and where you travel. We make an appointment for you and give you directions and a time that fits your schedule.
- Emergency Trip Interruption – Should your vehicle become disabled due to a collision more than 100 miles from home you may be reimbursed up to \$2000; reimbursement up to \$300 for the rental of an automobile, up to \$1000 for airline tickets, up to \$300 for meals and up to \$400 for hotel/motel lodging to the extent made necessary by the conditions of the emergency and subject to any limitations under applicable state law.
- Emergency Messenger Service – Stay in touch with family and friends with no cost emergency message service.
- Nationwide Trip Routing – Make your next trip more enjoyable with custom trip routing and full color maps. We provide easy-to-follow maps and directions, travel tips, and a list of interesting places to see and much more.




Coverage

Coverage is available for one year on your new RV and one additional family automobile or truck identified as eligible for the plan. Assistance is available 24 hours a day, 7 days a week by calling the toll-free number on your ID Card. Services are available on a "sign & drive" basis throughout the U.S. and Canada, and services are available in Mexico but limitations apply.



Benefits and services provided by NMC -RV, Inc. This is a brief summary of the program benefits. Limitations, restrictions and exclusions apply. If there are any conflicts between this document and the Guide, the Guide shall govern.

IDENTIFICATION AND SAFETY

LEGEND	
Listed below are symbols and descriptions you will find throughout this manual. They are used to alert you to possibly dangerous or hazardous situations. When you see these symbols, please read them carefully and follow the instructions to help prevent damage to your recreational vehicle and for your personal safety.	
	DANGER! (Indicates a hazardous situation which, if not avoided, will result in death or serious injury.) This sign is commonly RED.
	WARNING (Indicates a hazardous situation which, if not avoided, could result in death or serious injury.) This sign is commonly ORANGE.
	CAUTION (Indicates a hazardous situation which, if not avoided, could result in vehicle damage or minor to moderate injury.) This sign is commonly YELLOW.

- PLANT LOCATIONS: A - P.O. Box 30, Middlebury, IN, F - 914 CR 1, Elkhart, IN, G - 52277 DR 19, Elkhart, IN, Z - 1800 W. Hively, Elkhart, IN.
- SEQUENTIAL SERIAL #: Last 6 digits - assigned at the time of manufacture

NOTE:

Always give model, year, and the last 8 digits of the Forest River serial number when ordering parts. The serial number is a combination of 17 letters and digits, based upon the information listed in the above table. We recommend keeping a copy of that information in a safe place, separate from the motorhome. In the event of theft or vandalism, you may be required to supply a copy of this information to the authorities.

A vehicle data card is also supplied with your coach, listing manufacturer, model, and serial number information for major factory-installed appliances and accessories. A separate copy of this information could be useful to you in the event of theft, vandalism, disaster, or when certain service functions may require it.

Decals and data plates placed throughout the recreational vehicle aid in its safe and efficient operation; others give service instructions. Read all decals, data, and instruction plates before operating your motorhome. If any decal, data, or instruction plate has been removed, is damaged or painted over, it should be replaced.

Vehicle ID Decals and Plates

RECREATIONAL VEHICLE SERIAL NUMBER, DECALS AND DATA PLATES

The recreational VIN (vehicle identification number) label is generally mounted on the inside wall of the kitchen cabinet above the sink.

Vehicle Serial Number Label

The VIN is a computer generated number based upon pertinent facts about your RV. For example:

4x4	M	TM	S	2	0	8	Z	012345
1	2	3	4	5	6	7	8	9

- WORLD IDENTIFIER: 4x4 - Forest River
- RV TYPE: M-Multi-passenger motor vehicle
- BRAND: BE-Berkshire, CH-Charleston, CN-Concord, EN-Encounter, FL-Freelander, FR-Forester, GT-Georgetown, LE-Lexington, LG-Lexington (Grand Touring), MI-Mirada, RV-Ridgeview, SS-Sunseeker, TM-Tsunami
- RV LENGTH: A-24', B-26', C-27', D28', E-29', F-30', G-31', H-32', J-33', K-34', L-35', M-36', N-37', P-38', R-39', S-40', T-18', U-19', V-20', W-21', X-22', Y-23', Z-24', 8-44', 9-46'
- NUMBER OF AXLES: 2-2 Axles
- COMPUTER GENERATED DIGIT (for security purposes)
- MODEL YEAR: A-2011, B-2012, C-2013, D-2014, E-2015, F-2016

Safety Regulations and Propane

The following warnings are posted throughout your recreational vehicle to provide information on propane safety. They have been installed not only because of the requirement to do so, but also as a constant reminder to occupants of the recreational vehicle to exercise proper caution when using or being around propane appliances and equipment. We are listing them here so you may study them and be sure that you and your family understand and follow them.

WARNING

Do not place propane cylinders inside the vehicle. Propane cylinders are equipped with safety devices that relieve excessive pressure by discharging propane to the atmosphere. Propane is highly flammable. Failure to comply may lead to fire or explosion and result in death or serious injury.

IDENTIFICATION AND SAFETY

⚠ DANGER

Propane cooking appliances need fresh air for safe operation. Before operating: Open vents or windows slightly or turn on the exhaust fan prior to using the cooking appliance. Propane flames consume oxygen which must be replaced to ensure proper combustion. Improper use may result in death or serious injury. A warning label is located in the cooking area to remind you to provide an adequate supply of fresh air for combustion. Unlike homes, the amount of oxygen supplied is limited due to the size of the recreational vehicle, and proper ventilation when using the cooling appliance(s) will avoid dangers of asphyxiation.

⚠ DANGER

Do not use propane cooking appliances for comfort heating. Failure to comply may lead to carbon monoxide poisoning which can lead to death or serious injury.

⚠ DANGER

Do not store propane containers, gasoline, or other flammable liquids inside the vehicle as a fire or explosion may result.

⚠ DANGER

A warning label is located near the propane container. This label reads:

⚠ DANGER

Do not fill propane container(s) to more than 80 percent capacity. A properly filled container will contain approximately 80 percent of its volume as liquid propane. Overfilling the propane container can result in uncontrolled propane flow, which can cause fire or explosion and result in death or serious injury.

⚠ DANGER

IF YOU SMELL PROPANE:

1. Extinguish any open flames and all smoking materials.
2. Shut off the propane supply at the container valve(s) or propane supply connection.
3. Do not touch electrical switches.
4. Open doors and other ventilating openings.
5. Leave the area until the odor clears.
6. Have the propane system checked and leakage source corrected before using again. Ignition of flammable vapors could lead to a fire explosion and result in death or serious injury.

Airbag and Seatbelt Safety

⚠ WARNING

If your RV is equipped with an airbag by the chassis manufacturer, the description and important safety information about the air bag system can be found in the chassis owner's manual. Whether or not an airbag is provided, all occupants including the driver should always wear their seat belts any time the RV is in motion. Failure to properly wear a seat belt or sitting in the RV where no seat belt is provided while the RV is in motion increases the risk of severe injury or death in the event of a crash.

Using Seat Belts

Before you drive away, always fasten your seat belt and make sure all your passengers are using seat belts or child restraints. Also, remember to lock the vehicle's doors and turn on the childproof locks if children are in the vehicle.

IDENTIFICATION AND SAFETY

Studies have shown that if you are in a crash while using seat belts, your chances of being hurt or killed are greatly reduced. Seat belts will move with you and lock up if a crash occurs. They keep you from being thrown from the vehicle and against parts inside of your vehicle. In addition to protecting you from injury as a driver, seat belts help you keep control of the vehicle. If you are struck from the side or make a quick turn, the force could push you sideways and therefore you cannot steer the vehicle if you are not behind the wheel. In many states it is illegal to drive or to be a front-seat passenger, without wearing seat belts. Seatbelts may be required under graduated driver licensing for drivers or all occupants of the vehicle.

Wear a seat belt all the time, not just on long trips or high-speed highways. More than half of the crashes that cause injury or death happen at speeds less than 40 mph and within 25 miles from home.

It is important to wear the seat belt correctly.

Correct



Incorrect



- A shoulder harness is worn across the shoulder and chest with minimal, if any slack. The shoulder harness should not be worn under the arm or behind the back. Wearing the harness the wrong way could cause serious internal injuries in a crash.
- The lap belt should be adjusted so that it is snug and lies low across your hips after fastening. If you have an automatic shoulder belt, be sure to buckle your lap belt as well. Otherwise, in a collision you could slide out of the belt and be hurt or killed.
- You should be seated upright with your back against the seat and feet on the floor. Improper seating positions, such as slouching or resting one's feet on the dashboard can result in reduced effectiveness of the vehicle's restraint system and possibly result in injury.
- Seat belts should be worn even if the vehicle is equipped with air bags. While air bags are good protection against hitting the steering wheel, dashboard or windshield, they do not protect you if you are hit from the side or rear or if the vehicle rolls over. In addition, an air bag will not keep you behind the wheel in these situations.
- The law requires that all children under the age of 12 must be secured in the rear seat and wear appropriate seat restraints while the vehicle is in motion.

IDENTIFICATION AND SAFETY

Safety Devices

⚠ WARNING

Never ignore alarms on safety devices. If the alarm sounds and you are not absolutely certain of the source, get everyone out of the recreational vehicle immediately.

- Always have a plan of escape. Update and practice your escape plan every six months.
- Have a meeting and discuss the plan, showing everyone what to do including guests.
- Do not waste time by picking up valuables or getting dressed. Sometimes seconds count!
- Vacuum any dust off the alarm weekly using the soft brush attachment.
- DO NOT spray cleaning agents or waxes directly onto the detector as it may cause damage to the sensor.

Smoke Detector



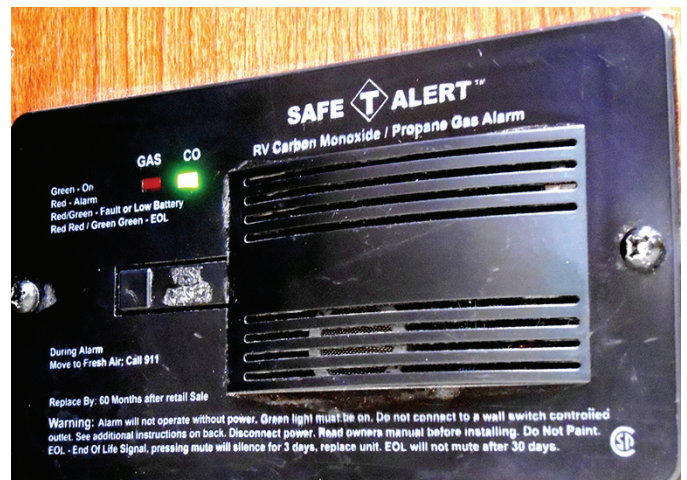
- Smoke alarms may not have time to alarm before the fire causes damage, injury or even death.
- A smoke detector works for only detecting smoke, not fire.

- The alarm will sound only if smoke reaches the sensor.
- Check the battery/s at least once a week while the RV is in use.
- This unit will not alert hearing-impaired residents. (Special alarms with flashing strobe lights are needed for the hearing impaired.)
- Smoke alarms have a limited life and are not foolproof.
- Never attempt to repair this unit; replace if faulty.
- Never disconnect the battery to silence the alarm.

⚠ WARNING

Smoke, propane and CO alarms may have an expiration date. Please consult the individual Owner's Manual or on-line at www.forestriverinc.com.

CO Detector



- The carbon monoxide detector is designed to detect carbon monoxide from any source of combustion. It is NOT designed to detect smoke, fire or any other gases.
- This detector doesn't work without batteries. DO NOT remove batteries except for replacement.
- Test alarm each week while RV is in use and before beginning a trip. Press the 'TEST' button. If the alarm fails to sound, replace the unit immediately. DO NOT attempt to repair.
- For more information, please consult the individual Owner's Manual or on-line at www.forestriverinc.com.

IDENTIFICATION AND SAFETY

Propane Detector



- This detector senses propane in the air, not smoke or fire or other gases. It detects the presence of propane at the sensor; explosive gas may be present in other areas.
- Test your propane detector weekly. If the alarm is located behind a closed door, it may not be heard.
- DO NOT attempt to repair the detector. If it fails the test, change batteries. If it still does not function properly, replace the entire unit.
- For more information, please consult the individual Owner's Manual or on-line at www.forestriverinc.com.

Fire Safety

Fire safety is an important part of owning a recreational vehicle. The following basic rules of fire prevention can help eliminate the possibility of a fire.

1. Never store flammable liquids in the recreational vehicle.
2. Never leave cooking food unattended.
3. Never smoke in bed and always use an ashtray.
4. Never allow children to play with propane or electrical equipment.
5. Never use an open flame as a flashlight.
6. Have faulty or damaged wiring and electrical components repaired immediately.
7. Never overload electrical circuits.
8. Locate any propane leaks and have them repaired immediately.
9. Keep cooking surfaces clean and free from debris.
10. Don't allow rubbish to accumulate.
11. Never clean with a flammable substance.
12. Spray fabrics annually with a flame retardant.

NOTE:

Be sure that everyone in your RV is familiar with the location of all exits, including exit windows.

NOTE:

Make sure everyone is familiar with the location and proper operation of all fire extinguishers.

WARNING

Evacuate everyone from the recreational vehicle immediately.

DO NOT ATTEMPT TO USE WATER TO PUT OUT A FIRE. Water can spread some types of fire, and electrocution is possible.

Leave the vehicle immediately and call the fire department!

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

WARNING

Portable fuel burning equipment, including wood or charcoal burning grills and stoves, shall not be used inside the vehicle. Doing so may cause a fire, explosion, carbon monoxide poisoning, or asphyxiation.

If you decide it is safe to fight a fire with an extinguisher:

- Remove the tamper tape which covers the discharge push button (do not shake).
- Hold it upright and stand six to ten feet from the fire with a clear path to an exit.
- Press the button down completely, aiming at the base of the fire, and spray with quick side to side sweeping motion.

NOTE:

Use the 'PASS' method. Familiarize yourself and all RV occupants with this procedure:

- Pull the pin (some extinguishers may have a cartridge you need to push).
- Aim the nozzle at the base of the fire.
- Squeeze the handle to release the extinguishing agent.
- Spray the base of the fire. (If you aim at the flames, you won't extinguish the fire.)

IDENTIFICATION AND SAFETY

DANGER

Avoid inhaling the dry chemicals from the fire extinguisher. Although non-toxic, they could cause temporary irritation. When the fire is out, clean the area as soon as possible. The dry chemicals may cause surface damage if left too long. Do not use water to extinguish a fire. Water can spread some types of fire, and electrocution is possible.

Underwriter Laboratories classifies fires into three types:

- Class A: Fires in wood, paper, fabric, rubber and certain plastics.
- Class B: Flammable liquids such as grease, cooking oils, gasoline or kerosene.
- Class C: Electrical fires started from live electrical wires, shorted motors/switches.

Tire Safety

Before using your RV, you should inspect all the tires for proper inflation, uneven wear on the tread, cracks, foreign objects, or other signs of wear or damage. *Don't forget to inspect your spare tire!* If excessive or irregular tread wear, under-inflation or damage like scrapes, bulges, cracks, punctures, foreign objects embedded in the tire are present or if you are experiencing continuous pressure loss, the tire should be dismantled and inspected by a trained tire technician.

Tires deteriorate over time even if they are not used or driven on. This deterioration can cause tires to fail even when there is no visible sign of damage. Lack of use, overloading, and underinflation can cause tires to deteriorate faster. While there is no hard and fast rule or expiration date on tires, most experts recommend replacing tires every 4 to 6 years depending on use and climate.

Regularly inspecting and replacing your tires can help prevent tire failure.

Use the following information to make tire safety a regular part of your vehicle maintenance routine.

CAUTION

Safety First-Basic Tire Maintenance

Properly maintained tires improve steering, stopping, traction, and load-carrying capability of your vehicle. Under-inflated tires and overloaded vehicles are major causes of tire failure. Therefore, to avoid flat tires and other types of tire failures, you should maintain proper tire pressure, observe tire and vehicle load limits, avoid road hazards and regularly inspect your tires.

Understanding Tire Pressure and Load Limits

Finding Your Vehicle's Recommended Tire Pressure and Load Limits

The tire information and vehicle certification labels contain information on tires and load limits. These labels indicate the vehicle manufacturer's information including:

- Recommended tire size
- Recommended tire inflation pressure
- Gross Vehicle Weight Rating (GVWR – the maximum occupant and cargo weight a vehicle is designed to carry.)
- Front and rear gross axle weight ratings (GAWR-the maximum weight the axle systems are designed to carry.)

When taking the trailer out of storage, inspect the tires thoroughly and be sure there are no cracks in the grooves and no wires showing. Cracks in the sidewall could indicate interior damage or separations in the tire.

Understanding Tire Pressure and Load Limits

Tire inflation pressure is the level of air in the tire that provides it with load-carrying capacity and affects the overall performance of the vehicle. The tire inflation pressure is a number that indicates the amount of air pressure, measured in pounds per square inch (psi), a tire requires to be properly inflated. (This number is also expressed in kilopascals (kPa) which is a metric measuring system used internationally.)

Vehicle manufacturers determine this number based on the vehicle's design load limit, which is the greatest amount of weight a vehicle can safely carry, and the vehicle's tire size. The proper tire pressure for your vehicle is referred to as the 'recommended cold inflation pressure'. Tire pressure should always be measured when the tire is cold to get an accurate measurement. A cold tire is one that hasn't been driven on for at least three (3) hours. As you drive, your tires get warmer, causing the air pressure within the tire to increase. Therefore, you cannot get an accurate measurement of tire pressure unless the tire is cold.

Checking Tire Pressure

Because tires are designed to be used on more than one type of vehicle, tire manufacturers list the 'maximum permissible inflation pressure' on the sidewall. This number is the greatest amount of air pressure that should ever be put in the tire under normal driving conditions and for carrying the maximum weight limit of tire capacity.

IDENTIFICATION AND SAFETY

NOTE:

It is important to check your vehicle's tire pressure at least once a month for the following reasons:

- Most tires naturally lose air pressure over time.
- Tires can lose air suddenly if you drive over a pothole or strike the curb when parking.
- With radial tires, it is usually not possible to determine under-inflation by visual inspection. For your convenience, purchase a tire pressure gauge to keep in your vehicle.

Tire Safety Tips

NOTE:

Preventing Tire Damage

- Slow down if you have to go over a pothole or other object in the road.
- Do not run over foreign objects in the roadway, and try not to strike the curb when parking.

Tire Safety Tips

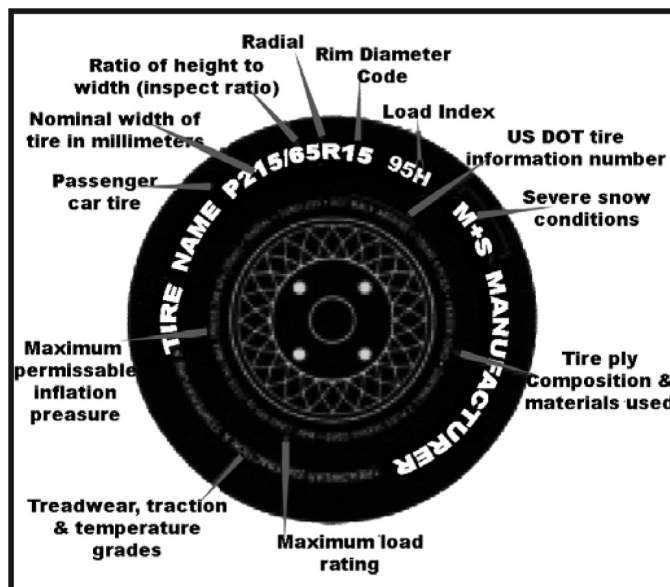
Preventing Tire Damage

- Slow down if you have to go over a pothole or other object in the road.
- Do not run over foreign objects in the roadway, and avoid striking the curb when parking.

Tire Safety and Maintenance Checklist

- Check tire pressure regularly (at least once a month), including the spare.
- Inspect tires for uneven wear patterns on the tread, cracks, foreign objects, or other signs of wear or trauma.
- Remove bits of glass and any other foreign objects wedged in the tread.
- Make sure your tire valves have valve caps.
- Check tire pressure before going on a long trip.
- Do not overload your vehicle. Check the tire information placard for the maximum recommended load for the vehicle.
- If you are towing a car or trailer, remember that some of the weight of the loaded car or trailer is transferred to the towing vehicle.
- Do not drive on a flat or severely under-inflated tire. Driving on a flat tire for even a short distance can ruin the tire even if there is no visible damage.
- Using tire covers when your RV is stationary and properly maintaining your tires can help slow tire deterioration and prevent tire failure. Only use tire cleaners and protectants that are approved by the tire manufacturer. Many products marketed as tire cleaners or dressing/protectants are actually harmful to tire compounds.

Tire Fundamentals



Federal law requires tire manufacturers to place standardized information on the sidewall of all tires. This information identifies and describes the fundamental characteristics of the tire and also provides a tire identification number for safety standard certification and in case of a recall.

P

Indicates the tire is for passenger vehicles.

Next (3 digit) Number

Gives the width in millimeters of the tire from sidewall edge to sidewall edge. In general, the larger the number, the wider the tire.

Next (2 digit) Number

Gives the tire's ratio of height to width (known as the aspect ratio). Numbers of 70 or lower indicate a short sidewall for improved steering response and better overall handling on dry pavement.

R

'R' stands for radial. Radial ply construction of tires has been the industry standard for the past 20 years.

Next number

This two-digit number is the wheel or rim diameter in inches. If you change your wheel size, you will have to purchase new tires to match the new wheel diameter.

Next number

This two or three digit number is the tire's load index. It is a measurement of how much weight each tire can support. If you are unsure, contact a local tire dealer.

NOTE:

You may not find this information on all tires since it is not required by law.

M+S

'M+S' or 'M/S' indicates that the tire has some mud and snow capability. Most radial tires have these markings; hence, they have some mud and snow capability.

IDENTIFICATION AND SAFETY

NOTE:

If it becomes necessary to replace a tire and you feel it is a warranty issue, most tire manufacturers require the D.O.T. number be cut out and returned to them with the warranty claim. Otherwise, the warranty could be voided.

U.S. DOT Tire Identification Number

This number begins with the letters "DOT" and indicates that the tire meets all federal standards. The next two numbers or letters are the plant code where it was manufactured, and the last four numbers represent the week and year the tire was built. For example, the numbers 3197 mean the 31st week of 1997. The other numbers are marketing codes used at the manufacturer's discretion. This information is used to contact consumers if a tire defect requires a recall.

Tire Ply Composition and Materials Used

The number of plies indicates the number of layers of rubber-coated fabric in the tire. In general, the greater the number of plies, the more weight a tire can support. Tire manufacturers also must indicate the materials in the tire, which include steel, nylon, polyester, and others.

Maximum Load Rating

Load rating indicates the maximum load in kilograms and pounds that can be carried by the tire.

Maximum Permissible Inflation Pressure

This number is the greatest amount of air pressure that should ever be put in the tire under normal driving conditions.

Treadwear Number

This number indicates the tire's wear rate. The higher the treadwear number is, the longer it should take for the tread to wear down. For example, a tire graded 400 should last twice as long as a tire graded 200.

Traction Letter

This letter indicates a tire's ability to stop on wet pavement. A higher graded tire should allow you to stop your car on wet roads in a shorter distance than a tire with a lower grade. Traction is graded from highest to lowest as 'AA', 'A', 'B', and 'C'.

Temperature Letter

This letter indicates a tire's resistance to heat. The temperature grade is for a tire that is inflated properly and not overloaded. Excessive speed, under inflation or excessive loading, either separately or in combination, can cause heat build-up and possible tire failure. From highest to lowest, a tire's resistance to heat is graded as 'A', 'B', or 'C' (see "Appendix A" for more information).

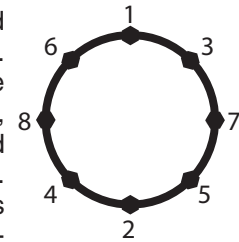
⚠ WARNING

TIRE TIPS

- Make sure all of the lug nuts are secure. Use a torque wrench. Do not guess.
- Inspect tires for uneven wear patterns on the tread, for cracks, for foreign objects or for other signs of wear or trauma.
- Trailers should have the wheel bearings repacked after being in storage for long periods of time.
- Do not overload your vehicle.
- Check the tire information placard for the maximum recommended load for the vehicle. Never exceed the wheel manufacturer's recommendations.
- It is important to maintain proper wheel nut torque to provide safe and secure attachment of the wheel to the hub/drum.

Tighten Each Lug Nut In The Order Shown

Start all lug nuts by hand to prevent cross threading. Tighten opposite sides of the wheel; start at 1 and go to 2, then 3 and 4, etc. Wheel lug nut torque requirements vary, depending on the size and manufacturer of the wheel. If this information differs from the wheel manufacturer's information, use the wheel manufacturer's recommendation.



Listed here are some lug nut torque examples by chassis manufacturer:

(The information is for example only. For more specific information, please refer to the chassis owner's manual that you received along with your Forest River Owner's packet.)

1. Ford E-450	150 lb-ft
2. Ford F-53	150 lb-ft
3. Chevy/GM	140 lb-ft
4. Workhorse (P)	140 lb-ft
5. Workhorse (W)	475 lb-ft
6. Freightliner	400 lb-ft
7. Sprinter	133 lb-ft

NOTE:

Never exceed the wheel manufacturer's recommendations.

IDENTIFICATION AND SAFETY

⚠ CAUTION

It is recommended that wheel bearings be repacked to chassis manufacturer's specifications.

⚠ WARNING

It is important to maintain proper wheel nut torque to provide safe and secure attachment of the wheel to the hub/drum.

⚠ WARNING

Be sure to use wheel nuts that meet chassis manufacturer's requirements/specifications as outlined in the chassis' owner's manual. Improperly torqued wheel nuts can cause the wheel to separate from the wheel mounting surface during operation. This could result in property damage, serious personal injury or loss of life.

⚠ WARNING

Do not place a jack against the motorhome underbelly when changing a tire. To avoid damage to your RV, be sure the jack is placed firmly against the chassis frame.

⚠ WARNING

Never let air out of a hot tire to reduce pressure. Doing so could cause an explosion, possibly resulting in personal injury.

WEIGHING, LOADING AND TOWING

Cargo Carrying Capacity

Determining the weight of a vehicle includes more than understanding the load limits of the tires. A weight certification label, located on the forward half of the road side of the RV, will indicate the gross axle weight (GAWR). This is the most weight that can be safely supported by each axle. If there are multiple axles, the GAWR of each axle will be provided. Look in your Yellow Pages under gravel pits, storage companies, or recycling facilities to find certified scales. Call in advance to determine if they offer public weighing services, their fees if any, and hours of operation.

NOTE:

When establishing the cargo capacity, weigh with all water tanks as empty as possible. (Do not allow anyone to be in the recreational vehicle when weighing the RV.)

NOTE:

Cargo can be added to the vehicle up to the maximum weight specified on the weight label. The combined weight of the RV and its cargo cannot exceed the stated GVWR.

VEHICLE LOAD LIMITS

MOTOR HOME/CAMPERS AND CARGO CARRYING CAPACITY		BAR CODE	
GVW 2710 LBS (1228.3 KG) THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED:		5NHBGSP207F006652	
2120 kg or 4682 lbs Safety belt equipped seating capacity: 6 Caution: A full load of water equals 1 kg or 2 lbs of cargo (8.3 lbs per gallon)	Seating Capacity (incl. 1 floor, 1 lower level) The weight of Cargo Should Never Exceed: 2120 kg or 4682 lbs	GSF006652	
GVW 2710 LBS (1228.3 KG) THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED:		MANUFACTURED BY/FABRIQUE PAR: FOREST RIVER, INC. DATE: 10/20/07 THIS VEHICLE CONFORMS TO ALL FEDERAL MOTOR VEHICLE SAFETY STANDARDS PRESCRIBED BY THE CANADIAN MOTOR VEHICLE SAFETY REGULATIONS IN EFFECT ON THE DATE OF MANUFACTURE.	
2120 kg or 4682 lbs Safety belt equipped seating capacity: 6 Caution: A full load of water equals 1 kg or 2 lbs of cargo (8.3 lbs per gallon)	Seating Capacity (incl. 1 floor, 1 lower level) The weight of Cargo Should Never Exceed: 2120 kg or 4682 lbs	TIRE SIZE: 275/80R22.5G TIRE LOAD RANGE: 110PSI TIRE INFLATION PRESSURE: 110PSI TIRE CARRIAGE: 110PSI TIRE CARRIAGE: 110PSI	
GVW 2710 LBS (1228.3 KG) THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED:		GVWR: 2710 LBS (1228.3 KG) GVWR: 2710 LBS (1228.3 KG) GVWR: 2710 LBS (1228.3 KG)	
2120 kg or 4682 lbs Safety belt equipped seating capacity: 6 Caution: A full load of water equals 1 kg or 2 lbs of cargo (8.3 lbs per gallon)	Seating Capacity (incl. 1 floor, 1 lower level) The weight of Cargo Should Never Exceed: 2120 kg or 4682 lbs	GVWR: 2710 LBS (1228.3 KG) GVWR: 2710 LBS (1228.3 KG) GVWR: 2710 LBS (1228.3 KG)	

Weight Terminology

GVWR - (Gross Vehicle Weight Rating) - Is the maximum permissible weight of the RV when fully loaded. It includes all weights, inclusive of all fluids, occupants, cargo, optional equipment and accessories. For safety and product performance do NOT exceed the GVWR.

GCWR - (Gross Combined Weight Rating) - Is the maximum permissible loaded weight of your motor home and any towed trailer or towed vehicle. Actual GCWR of this vehicle may be limited by the sum of the GVWR and the installed hitch receiver maximum capacity rating; see hitch rating label for detail.

GAWR- (Gross Axle Weight Rating) - Is the maximum permissible weight, including cargo, fluids, optional equipment and accessories that can be safely supported by each axle.

UVW (Unloaded Vehicle Weight)* - Is the typical weight of the RV as manufactured at the factory. It includes all weight at the RV's axle(s), including full fuel, all fluids and LP Gas. The UVW does not include cargo, fresh potable water, additional optional equipment or dealer installed accessories.

*Estimated Average based on standard build optional equipment.

CCC (Cargo Carrying Capacity) ** - Is the amount of weight available for fresh potable water, cargo, passengers, additional optional equipment and accessories. CCC is equal to GVWR minus UVW. Available CCC should accommodate fresh potable water (8.3 lbs per gallon). Before filling the fresh water tank, empty the black and gray tanks to provide for more cargo capacity.

** Estimated average based on standard build equipment

Each Forest River RV is weighed at the manufacturing facility prior to shipping. A label identifying the unloaded vehicle weight of the actual RV and the cargo carrying capacity is applied to every Forest River RV prior to leaving our facilities.

The load capacity of your RV is designated by weight, not by volume, so you cannot necessarily use all available space when loading your RV.

Actual towing capacity is dependent upon your particular loading and towing circumstances, which includes the GVWR, GAWR and GCWR as well as adequate trailer brakes. Please refer to the Operator's Manual of your vehicle for further towing information.

Weighing Your Motorhome

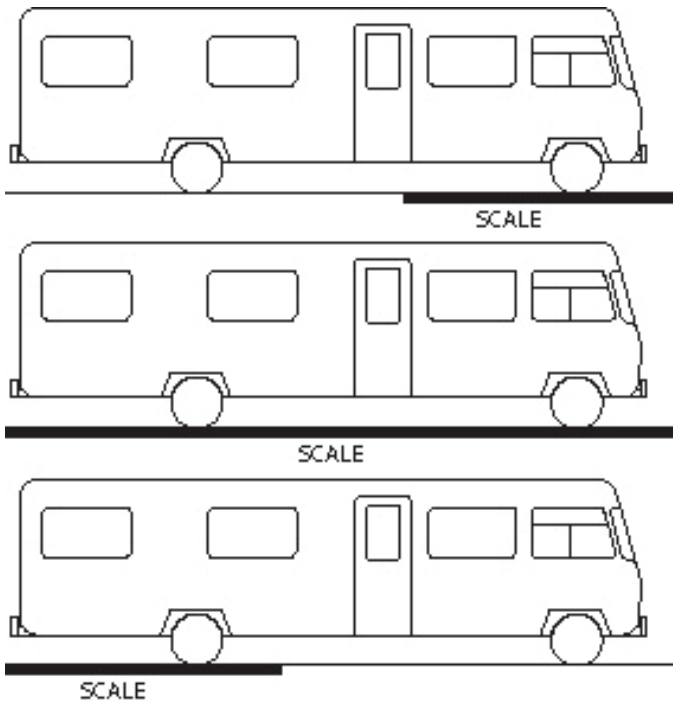
In order to properly compute your load and load distribution, you must know both actual scale weights and the GAWR and GVWR found on the Weight Label on the motorhome. Weigh the motorhome with all anticipated passengers, equipment, luggage, and fluids onboard as if you were beginning your trip. You will also need to weigh the motorhome periodically to ensure you are maintaining the correct weight and load distribution.

To properly weigh your motorhome, follow this procedure:

1. With all passengers in their seats and the RV fully loaded and level, pull onto the scales until the front axle ONLY is on the scale. Check the weight against the front gross axle weight rating.
2. Pull forward until both axles are on the scale. Check the weight against the gross vehicle weight rating.
3. Pull forward again so that only the rear axle is on the scale. Check the weight against the rear gross axle weight rating.

WEIGHING, LOADING AND TOWING

Positioning Motorhome on Weight Scales



EXAMPLE:

GVWR	14,500 lb.
GVW	<u>12,570 lb.</u> (scale weight)
Reserve Capacity	1,930 lb.
Front GAWR	5,000 lb.
Front GAW	<u>3,680 lb.</u> (scale weight)
Front Axle Reserve Capacity	1,320 lb.
Rear GAWR	10,000 lb.
Rear GAW	<u>8,891 lb.</u> (scale weight)
Rear Axle Reserve Capacity	1,110 lb.

(ABOVE WEIGHTS ARE FOR EXAMPLE ONLY AND NOT ACTUAL WEIGHTS)

CAUTION

Properly inflated tires wear longer and contribute to safer handling. Check tire pressure only when the tires are cold (not used for at least 3 hours). See tire manufacturer's information for proper inflation guidelines. Inflating tires to the maximum allowed rating when not necessary may cause poor ride characteristics and adverse effects on your RV.

At this point, if you have any overload or imbalance, redistribute the weight and reweigh the motorhome.

When you become familiar with how to load and weigh your RV, make a list and diagram to carry with you for easy reference.

NOTE:

Weight distribution is extremely important in the handling and wear of your motorhome. Remember to add the weight of any items purchased on your trip to the starting weight of your coach and to distribute the weight evenly. Also, keep in mind that if you make any major changes in the items you are carrying, it will be necessary to reweigh your RV.

Weighing Tips

- Cargo weight may vary greatly and will affect the total weight of your recreational vehicle. Always weigh the recreational vehicle at a certified weigh station equipped with platform scales. (Remember that wind and rain can cause weights to be inaccurate.)
- Check the telephone directory or with local authorities for the location of weigh stations in your area. If you find that you have exceeded the GVWR of the recreational vehicle, you will have to remove items until you are within the specified limits. If you find that you have exceeded either of the GAWR's, you will need to redistribute the load within the recreational vehicle to meet the specified limits.
- To help ensure that items will be evenly distributed, plan ahead before loading your RV. Not only will the recreational vehicle handle and ride better, you will also have reduced tire wear and increased fuel economy.
- When weighing the recreational vehicle, weigh both right- and left-hand sides separately. This will ensure that you have not overloaded one side or the other, affecting handling. DO NOT store heavy items near the front or rear of the RV as doing so could cause damage.
- To help keep weight reduced, empty the holding tanks before leaving on a trip and as often as possible when traveling. Carry only as much water as you will need for traveling. If needed, the water tanks can be used to help balance the weight in the motorhome (a gallon of water weighs 8 pounds).
- Secure all items stored inside and outside the recreational vehicle, and be sure all doors and drawers are securely latched or shut.

Loading Tips

- After you have determined what cargo makes up the allowable GVWR, make a loading diagram of your properly loaded RV.
- Store emergency items, flashlights, flares, tools, electrical cords, first-aid kit, etc., in an easily accessible storage compartment, taking care to keep those items in a waterproof container.

WEIGHING, LOADING AND TOWING

- When loading your RV, remember to distribute the weight evenly so you get the proper amount of weight on the axle(s) and hitch. Remember to also consider the weight of any items you may purchase on your trip.
- Do not place heavy items in the overhead cabinets. They could shift and fall during travel.
- Luggage and similar cargo stored inside the RV must be secured to prevent possible damage if it should become necessary to make a sudden stop.
- Heavy items should be stored close to the floor in the center of the RV. Avoid loading heavy items near either end of the RV or on the rear bumper. Adjust cargo, as needed, to keep the side to side wheel loads equal.

Packing For Travel

Following is a list of items you may find useful to take along:

- First aid kit
- Spare fuses
12-VDC automotive type
- Tool kit
Phillips, square head and regular slotted screw drivers, pliers and crescent wrench, a bubble level, open-end wrenches (that fit the water and gas line fittings), a good tire pressure gauge, electrical tape and a flashlight.
- Water hose
Minimum of 25 feet, used to fill water tank and to connect to city water.
- Sewer hose and fittings
- Extension cord
Three or four prong-MUST be rated for the load for which your recreational vehicle was designed, either 30 or 50 amp.
- Holding tank chemicals
- Registration and insurance information (for recreational vehicle and tow vehicle)
- Spare set of keys
- Three pieces of 2" thick x 6" wide x 10" long pieces of wood
For leveling the vehicle in uneven camping areas. Even if you have leveling jacks built in, they may come in handy. The wood can also be used as chocks to help prevent the RV from rolling forward or backward if you are parked on an uneven site.
- Throw rug
Protect the entry area carpet.
- Emergency Contact Phone Numbers

One Final Check

After you have loaded your RV for your trip, weighed it, and made sure you are within the specified weight limits, there's one final check you need to perform. Starting on the outside of the vehicle, perform a visual, walk-around check.

Here are some things to look for:

1. All exterior storage doors and hatches are securely shut and latched.
2. Tail lights, brake lights, headlights and turn signal lights are functioning properly.
3. City water hose is disconnected and stowed. The connection cap has been tightly secured.
4. Holding tank valves are closed and dump outlet cap is securely fastened, and sewer hose is stowed.
5. Power cord is unplugged and stored.
6. TV/satellite antenna is lowered (if equipped).
7. Tire pressure is within specified limits. (Always check tire pressure when tires are cold-at least three hours after being driven on.) Releasing air from a heated tire is dangerous.
8. Lug nuts are tight and wheel covers are secure.
9. All liquid levels are adequate (chassis engine oil, transmission fluid, engine coolant, battery fluid and windshield washer solution).
10. Roof vents are closed.
11. Fresh water tank, sewage holding tank, and propane tank are at correct levels.
12. Entrance door is securely closed and locked, and entry step is retracted.
13. Check the campsite for items left behind and that you left it clean and safe for the next campers.

The last thing you need to do before getting on the road, is to check the side view mirror position. If needed, have someone help adjust the mirror from the outside, while you view the mirror position from the drivers seat. Doing so will ensure that the mirror is in the correct position for your height. If your motorhome is equipped with a rear vision system, check it at this time also.

As you sit in the driver's seat, you will notice that you sit up higher, and further to the left than in a passenger car. Your perspective of the road will also be different. Due to the driver's seat location, and the configuration of the motorhome, you will need to rely more on the outside mirrors than if you driving a passenger car. Your motorhome is also longer than your car, therefore be extra observant and cautious when making turns, and when pulling into traffic.

⚠ WARNING

Swerves and sharp turns, especially at higher speeds, could result in loss of vehicle control.

Before You Leave

Become familiar with your coach and its' features. This manual, the chassis manual, and the various appliance and accessory manuals, contain important information about the use and care of your RV and its' components.

WEIGHING, LOADING AND TOWING

It is important that you read them carefully, and keep them with your vehicle for future reference.

If you have not had experience driving vehicles larger than passenger vehicles, we recommend that you take several test drives around your neighborhood before your first camping trip. Doing so will help develop a feel for your RV's handling characteristics and gain experience in driving a larger vehicle. While on your test drive, practice parking and backing up. If available, also practice backing up using your back up camera and monitor.

We also recommend that you make your first camping experience a short one and close to home. This will give you the opportunity to learn the use of the vehicle in actual camping conditions. Being close to home will also be more convenient if you need additional instruction from your local dealer. You will also discover which items you didn't bring, that you may need or that would make your camping experience more comfortable and enjoyable.

⚠ WARNING

Since only one corner can be weighed at a time, the remaining three corners need to be as close to the scale as possible without being on the scale, and be sure the motorhome is as level as you can make it.

Towing a Boat, Trailer or Car

NOTE:

Please refer to the vehicle's owner's manual for towing capability and towing instructions for the vehicle being towed.

Before deciding whether to tow a car, boat or trailer behind your motorhome, consider the following warnings regarding weights and braking ability:

1. DO NOT exceed the motorhome's GCWR (gross combined weight rating) or the hitch rating. You must include the weight of the fully loaded coach (with all occupants or allowing an average of 150 lbs. per person) and the towed vehicle combined. The combined weight must not exceed the GCWR. (DO NOT assume you can tow a vehicle which is within the capacity of the hitch without considering the fully loaded weight of the motorhome PLUS the weight of the towed vehicle. The two combined may exceed the total GCWR of the motorhome. Allow your selling dealer to determine the GCWR of your motorhome.)

2. The tongue weight (the amount of weight or pressure pushing down on the hitch) MUST NOT exceed 10% of the hitch capacity. (Example: If your hitch capacity is 5,000 lbs. of pulling capacity, DO NOT exceed 500 lbs. of weight on the hitch; if your hitch capacity is 3,500 lbs., DO NOT exceed 350 lbs. of weight on the hitch, etc.) Check the tag on your hitch for pulling and weight limits.
3. Always use safety chains between your coach and the towed object. NEVER attach the chains to the bumper. Cross the chains under the trailer tongue and allow slack in the chains for turning corners.
4. NEVER attempt short back up distances when towing. Most towing equipment is designed to be pulled forward, not pushed backward. Doing so could result in damage to the motorhome, towed object, or the towing device.

NOTE:

If your motorhome should require towing, consult your chassis manufacturer's owner's manual for the correct towing procedure.

Braking System

Your motorhome braking system is rated for operating with the GVWR and GCWR. Do not exceed the chassis manufacturer's specified ratings.

⚠ WARNING

A separate functioning braking system is required for any towed vehicle or trailer weighing more than 1,000 lbs. when fully loaded.

⚠ WARNING

Failure to heed any part of the above warnings could cause an accident, resulting in serious injury or death.

LEVELING JACKS AND SLIDE ROOM OPERATION

Selecting a Campsite

Selecting a campground is one of the first things you should consider doing before beginning your trip. RV campground maps, with directions and available amenities, are available at most camping stores for a small fee. Below are some tips to help you choose the best campground for your needs.

1. Decide how long you intend to stay at the campground. If you intend to stay for a prolonged period of time, a reservation would ensure your stay at the campground of your choice and that your site is reserved, no matter what time you arrive. As with most reservations, a deposit may be required to hold your space. Most campgrounds provide a 'drop box' where they will place your paperwork if you will be arriving after hours. Your campsite should be marked on the campground map, and many times, included will be local places of interest, shopping locations, and restaurants in the area.
2. If you have a preference, you may request that your campsite be close to the pool, playground, lake, showers or campstore, if available. Or, you may prefer to park away from those more populated areas. If you have researched prior to your trip, you will know what type of amenities the campground has to offer and will be able to make a decision based upon your personal wants or needs.
3. Be sure the campground you choose offers the correct electrical hook-up needed for your recreational vehicle. It will be either a 30 or 50 amp service.
4. Determine if the campground can accommodate the size of your recreational vehicle. Know the length of your recreational vehicle before making a choice. (Smaller, older parks may not be able to accommodate larger recreational vehicles.)
5. Ask if the parking site for your recreational vehicle is a PULL-IN or a BACK-IN site. If you have a problem backing your RV, or if you will be arriving after dark to an unfamiliar campground, you may want to request a PULL-IN site. Definitely request a PULL-IN site if you are towing an object behind your recreational vehicle. Keep in mind, during peak traveling seasons, reservations may be the best way to ensure you get the type of site that will suit your needs.

Campsite Parking

It's best to arrive at the campground before dark especially if you are unfamiliar with the campground and if you need to back into a site. Before parking on your site, inspect it for rocks, slopes or uneven areas. When pulling onto your site, watch for posts, large rocks, low-hanging limbs, or other obstacles. If possible, pull into the site so the electrical outlets and plumbing connections are on the driver's side of the recreational vehicle

(most of your recreational vehicle's connections are on the driver's side). Doing so will enable the driver to maneuver the recreational vehicle more easily into a position where it will not interfere with these connections. The driver will also be able to see any obstructions more clearly, which could interfere with the slide rooms or awnings when fully extended .

FOLLOW ALL SAFETY WARNINGS LISTED BELOW BEFORE ATTEMPTING TO OPERATE THE JACKS,

⚠ WARNING

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.

⚠ WARNING

Never lift the recreational vehicle completely off the ground using only the leveling jacks. Doing so will create an unstable and unsafe condition. It could cause damage to the system as well as serious personal injury.

⚠ WARNING

Never use the leveling jacks to raise the recreational vehicle to change a tire or to perform any other type of repair work. Always use proper equipment or contact a professional.

⚠ CAUTION

Keep people and pets clear of the recreational vehicle while the leveling system is in use.

⚠ CAUTION

Park the recreational vehicle on solid, level ground and clear the site of debris and obstructions. Avoid parking over holes or depressions in the ground. If parking on soft surfaces, utilize load distribution pads under each jack.

NOTE:

If you have an automatic leveling system, do not allow people to walk around when attempting to level the recreational vehicle. Doing so could disrupt the leveling jack's sensing mechanism.

LEVELING JACKS AND SLIDE ROOM OPERATION

Leveling Jacks Operation

NOTE:

We recommend that your RV be plugged into a 120VAC receptacle or have the generator running, during jack and slide out operation. This will help ensure the battery maintains proper voltage during operation.

Prior to Operation

Operate the leveling system **ONLY** under the following conditions:

1. The coach is parked on a reasonably level surface.
2. The coach 'PARKING BRAKE' is engaged.
3. The coach transmission should be in the 'park' position.
4. The ignition is in the 'run' position or the engine is running.
5. Be sure all persons, pets and property are clear of the coach while leveling system is in operation. If you are operating an automatic system while the RV is occupied, all must stay seated during the leveling process.

CAUTION

To avoid possible damage to the coach, the leveling system, or personal injury, carefully read, study, and understand the leveling system operational procedure as outlined in the leveling jack's owner's manual before beginning the leveling operation.

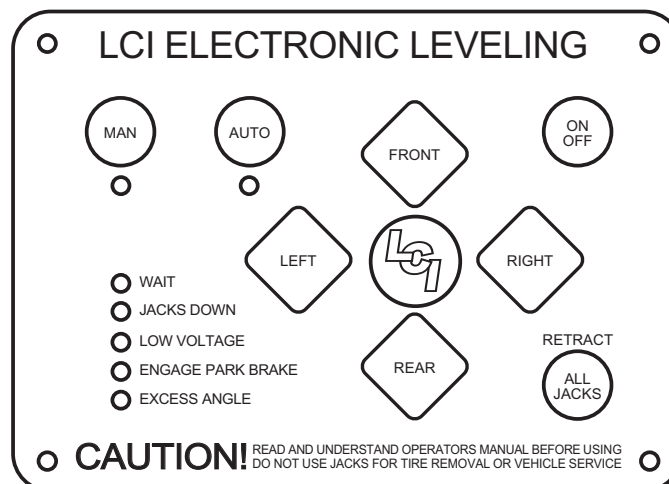
Listed below, you will find general operating procedures for leveling jacks. While Forest River uses several different types of leveling systems, the operation of each is similar. If the system you have varies from the procedure listed below, please refer to the leveling jack's owner's manual that you received with your Forest River Owner's packet, and follow those instructions.

CAUTION

When the coach is parked on an excessive slope, the leveling requirements may exceed the jack lift stroke capability. If possible, move the coach to a more level surface before beginning the leveling process.

NOTE:

The Lippert electronic leveling system will not function properly unless the coach engine is running.



1. Manual Operation Button: Places control panel in manual operation mode.
2. Manual Operation LED: Indicates controls can be operated manually to level coach.
3. Automatic Operation Button: Places control panel in automatic mode.
4. Automatic Operation LED: Indicates controls can be operated automatically to level coach.
5. Wait LED: Indicates to the operator to pause prior to operating the system. Resume operation when the LED goes off.
6. Jacks Down LED: Indicates jacks are in any state of extension and not fully retracted.
7. Low Voltage LED: Indicates voltage has dropped below safe operable level.
8. Engage Park Brake LED: Flashes when parking brake is disengaged; off when parking brake has been engaged.
9. Excess Angle LED: Coach may not be able to be leveled in current location and must be moved to a more level location.
10. Front Button: Controls extension and retraction of both front jacks.
11. Left Button: Controls extension and retraction of left rear jack.
12. Coach Level LED: Indicates the coach has been leveled.
13. Right Button: Controls extension and retraction of right rear jack.
14. Rear Button Controls extension and retraction of both rear jacks.
15. On/Off Button Turns leveling system on and off.
16. Retract All Jacks Button Retracts all jacks automatically.

LEVELING JACKS AND SLIDE ROOM OPERATION

Auto Leveling

1. Push the ON/OFF button on the control panel. The system is now operational, and the electronic level lights will become active.
2. Check to see that the control pad ENGAGE PARK BRAKE light is not flashing. (If the light is flashing, engage the parking brake now.)
3. Push the AUTO button to begin the automatic leveling cycle. (See WARNING on this page.)
4. If further adjustments are necessary, push and hold the MAN button for approximately 5 seconds until the light under this button is illuminated. Push the appropriate jack leg button to override the system and level the coach to your liking.
5. Push the ON/OFF button to de-energize the system.

⚠ WARNING

After beginning the automatic leveling cycle, it is very important that there is no movement in the coach until the RV is level and the green LCI logo light illuminates in the center of the touch pad. Failure to remain still during the leveling cycle could interfere with the leveling system's sensors and affect the performance of the leveling system.

⚠ DANGER

Never lift all the wheels off the ground to level the coach. Lifting all wheels off the ground may result in damage to the vehicle and/or cause serious personal injury or death.

NOTE:

If leveling your coach manually, the coach should be leveled from front to rear first. When the coach is level from front to rear, then level it from left to right.

Manual Leveling

1. Press the ON/OFF button on the leveling system control panel. The system is now operational and the ON/OFF light will become active. (If the ON/OFF light is not illuminated, see PRIOR TO OPERATION section in the leveling system manufacturer's owner's manual.)
2. Press and hold MAN button for 5 seconds.
3. Press FRONT button until jacks contact the ground.
4. Press REAR button until jacks contact the ground.
5. If you have a level onboard, place it on a flat surface and check the position of the bubble. If the bubble is toward the front of the coach, press REAR button. If the bubble is toward the right of the coach, press LEFT button. (Keep button depressed until the bubble is centered.)

6. Repeat steps 2-5 if needed.
7. Turn power OFF to leveling system by pressing the ON/ OFF button.
8. Visually inspect all jacks to ensure all shoes are touching the ground. Should one of the rear jack shoes not be touching the ground, press the corresponding LEFT or RIGHT rear jack button to lower the corresponding jack to the ground.

Retracting the Jacks

1. Energize the system by pushing the ON/OFF button. If properly engaged, the ON/OFF button will be illuminated.
2. Press the RETRACT ALL JACKS button. All jacks will begin to retract and return to the full retract position. When all jacks are returned to the full retract position, the JACKS DOWN light will go out.
3. When the JACKS DOWN light goes out, press the ON/OFF button to de-energize the system. Before moving your coach, make a brief, visual inspection outside to verify the jacks are fully retracted.

NOTE:

If you wish to stop the jacks from retracting, turn the system off and back on again by pushing the on/off pad twice, you can then re-level the coach by following steps 1-5 again.

NOTE:

When in the manual mode, the jacks will only retract as long as the retract button is depressed. In the automatic mode to fully retract the jacks, the retract button need only be pressed once and released.

Slide Room Operation

Forest River recreational vehicles are equipped with hydraulic or electric slide out systems, or a combination of both. In this manual, you will find general information that will pertain to all operations, and in addition, some more brand specific information. If the following procedure doesn't apply to your recreational vehicle, please consult the slide room manufacturer's owner's manual that you received with your recreational vehicle and follow those directions.

NOTE:

We recommend that your RV be plugged into a 120VAC receptacle or have the generator running, during jack and slide out operation. This will help ensure that the battery maintains proper voltage during operation.

Before Beginning Slide Room Operation

Before extending the room, check the exterior of the RV to be sure the room will not hit anything outside when it is fully extended and the interior to be sure the slide room travel is free from obstruction.

LEVELING JACKS AND SLIDE ROOM OPERATION

NOTE:

For optimum performance, the slide out system requires full battery current and voltage. The battery must be maintained at full capacity. If the battery is fully charged and you still do not have power, check the terminals and other connections at the battery.

⚠ DANGER

Do not perform any maintenance work on your slide out system without first disconnecting the battery. Failure to do so could result in serious personal injury or death.

NOTE:

When operating the slide room, be sure there are no obstructions in the travel path.

For more information, please consult the individual owner's manual or on-line at www.forestriverinc.com.

Extending the Slide Room

After completing the inspection as itemized on the previous page, and above:

- Parking brake applied, turn the battery disconnect switch ON, and turn the ignition key to Auxiliary.
- Locate the rocker switch labeled SLIDE ROOM, which is generally mounted on the control center on the wall.
- Press and hold the OUT side of the rocker switch until the room is fully extended and immediately release the button. Failure to do so could cause damage to the slide assembly.

⚠ WARNING

Never move the coach with the slide room/s extended.

NOTE:

Always check for debris on the roof of the slide room before retracting. Also, check for debris on the awnings before retracting.

Retracting the Slide Room

Take the same safety precautions as previously stated for extending the room, and:

- Be sure there are no obstructions on the floor of the coach or in the path of the room as it is coming in.
- Ensure there is no visible dirt or debris in the track of the slide room or under it. Trapped dirt or debris could cause damage to your carpet or floor.
- Press and hold the IN side of the rocker switch, until the room is completely in, then immediately release the switch.

NOTE:

Always perform an exterior, visual inspection, before leaving the campground.

Manual Slide Room Operation

Retracting the Room-Lippert System

The hydraulic landing gear can be operated with auxiliary power devices like electric drills, ratchet wrenches or cordless screwdrivers. In the event of electrical or system failure, this manual method of extending and retracting the slide room can be used. A standard handheld drill is all that is required. Insert an hex bit into the coupler found under the protective label. Run the drill forward, or clockwise, to extend slideout room and in reverse, or counterclockwise, to retract.

Power Failure

If you have no power, first check the slide room fuse, in the main fuse panel. The fuse panel is located near the floor either in the hallway or bedroom. The correct fuse is clearly marked SLIDE ROOM, and is a 15 amp fuse.



⚠ WARNING

When the slide room is in, immediately take your coach to the nearest dealer. Never drive with the slide room out.

Retracting the Room-Equalizer System

1. The individual cartridge valves, for the jack legs and slide room/s, are clustered together on the side of the pump manifold. The valves for the slide rooms are labeled 5 & 6.
2. Locate the red knurled knob on the directional valve (DV2). This valve will be on the opposite side of the manifold from the cluster of cartridge valves. Pull the red knob out and turn 1/4 turn. The knob will remain in the OUT position.
3. To retract, locate the red knurled knob on the directional valve (DV1). This valve will be on the adjacent side of the manifold to the cluster of cartridge valves. Pull the red knob out and turn 1/4 turn.
4. Your pump may be equipped with additional directional valves for the slide rooms. If this is the case, these additional valves will need to be shifted along with directional valves DV1 and DV2.

LEVELING JACKS AND SLIDE ROOM OPERATION

5. Insert a handle into the hand pump, and operate until the room is fully retracted. (It may take up to 50 strokes to build enough pressure output to begin to retract the slide room.)
6. When retraction is complete, return the cartridge valve/s and the directional valves DV1 and DV2 to the normal position.

⚠ WARNING

Following manual override operation, failure to return all valves to normal position may result in the room drifting from the retracted (closed) position.

NOTE:

The normal operating position of the screw in the cartridge valve is the counter-clockwise out position. The only time the valve should be shifted manually is when attempting to operate the slide room via manual override.

NOTE:

When extending or retracting the slide room for best results, do not allow anyone in the slide portion of the room. During extended stays, move the slide room in and out once or twice a week to help keep the seals and internal moving parts lubricated. If you intend to store your motorhome for an extended period of time, store it with the slide room/s in the retract position.

NOTE:

For cartridge valves, rotate the center screw fully counter-clockwise. For directional valves, rotate the red knob until it snaps back to the normal position.

LIVING QUARTERS

Prolonged Occupancy

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

Condensation and Humidity

Condensation is the change of water from its gaseous form (water vapor) into liquid water. Just as moisture collects on the outside of a glass of cold water during humid weather, moisture can condense on the inside surfaces of your camper. This condition is increased due to the small volume of space and the airtight construction of your camper.

⚠WARNING

Mold occurs when condensation is left for prolonged periods of time and is extremely difficult to kill. Controlling condensation inside your RV is the best way to avoid not only mold but dampness as well, both of which can cause damage to your RV and/or its contents.

Condensation can infiltrate the insulation, motors, and working parts of appliances or plumbing pipes to name a few. Even though you may not see condensation, it may be inside the walls, cupboards or under the floor, so it is best to take every precaution to avoid it occurring. Generally, an area that is dark, and where moisture can accumulate, is the most likely spot for mold to grow.

It is especially important when storing your RV or if you do not anticipate using it for an extended period of time to air it out. Empty the refrigerator and freezer and dry them completely. Dry the inside of the shower and shower head.

Check for any leaks at the kitchen sink, toilet and bathroom sink. It's also a good idea to check your RV periodically to ensure there is no condensation forming on the windows, which would indicate there is too much moisture in your RV.

If you see signs of excessive condensation, take the necessary steps to remove the moisture to prevent possible damage to the contents or the RV itself.

Below are tips to help contain humidity in your trailer:

1. Keep indoor humidity low-if possible below 60% (ideally between 30 and 50%) relative humidity. Relative humidity can be measured with a moisture or humidity meter. The meter is a small, inexpensive (\$10-\$50) instrument available at most hardware stores. Some larger campground stores may also have the meters.

2. Consider using a small dehumidifier to help rid the RV of moisture.
3. Avoid allowing wet clothing to hang, creating a potential breeding ground for mold.
4. When showering or bathing, open the roof vents or turn on a fan to allow steam and moisture to escape. Wipe down the shower walls to prevent water evaporation.
5. Be sure there are no obstructions in any vents and that all vents are properly sealed. Pay particular attention to appliances that produce moisture, such as air conditioners, shower, oven vents, and clothes dryer vents.
6. Try using the microwave oven instead of the stovetop to boil water or soups for long periods. If you choose to use the stove to boil water or soup, open a window or a vent slightly (even in cold weather) to provide a passage for the air to flow. This will also help restrict the humidity.
7. Try to recirculate the air by using vent fans or small oscillating fans or your furnace fan. If condensation occurs, keep the windows clean in order to prevent the growth of mold and mildew.
8. Do not use a ceramic heater as it provides no air movement, which will not aid in ridding the RV of condensation.

⚠WARNING

Damage caused by mold or mildew is a maintenance issue and is not warrantable. You as the owner, are responsible for proper maintenance of your RV. Controlling humidity inside your RV will help to prevent damage which may occur due to neglect.

NOTE:

When it rains, water may collect in the bottom of the window frame and drain out the weep holes, made for that purpose. If your RV is not level, the water may not drain out properly. This could cause water damage to the window or wall and could breed mold due to condensation.

NOTE:

If you have water and/or mold damage caused by sewage or other contaminated water, it is best to call in a professional who has experience cleaning living spaces damaged by contaminated water.

Propane

⚠ DANGER

DO NOT bring or store propane cylinders, gasoline or other flammable liquids inside the vehicle. A fire or explosion could result.

⚠ DANGER

DO NOT fill container(s) to more than 80% capacity. Overfilling the propane tanks can result in uncontrolled propane flow which can result in an explosion or fire.

⚠ DANGER

NEVER use any other type of propane container than the one furnished with your RV. If the tank must be replaced, check with your dealer for specifications.

⚠ DANGER

Propane regulators must always be installed with the regulator vent facing downward. Regulators that are not in compartments have been equipped with a protective cover. Be sure the regulator cover is kept in place to minimize vent blockage that could result in excessive propane pressure, causing fire or explosion.

⚠ DANGER

DO NOT rely upon being able to smell propane leaks as the odor may not be strong enough to detect.

⚠ DANGER

DO NOT use butane or butane mixtures in your propane tank. When you fill your tanks, be sure to use propane only.

⚠ DANGER

DO NOT make repairs to the propane tank supply at the propane tank (or source). Except for simple maintenance and occasional tightening of a connection, always take your vehicle to an authorized dealer for propane problems.

⚠ DANGER

Do not turn on the propane supply until the propane leaks have been repaired.

⚠ DANGER

Do not attempt to adjust or repair the regulator. Adjustments and repairs require specialized training and tools. Contact a qualified propane Service Technician. Failure to follow these instructions could result in fire or explosion.

⚠ DANGER

Do not modify your propane system. Do not remove components or replace with components that are not of equal value. The propane system in your recreational vehicle furnishes the fuel for cooking, heating and hot water. Propane can also be used as an alternate energy source for refrigeration. It is a clean, efficient and safe form of energy when properly handled and safety precautions are observed.

⚠ WARNING

Always have an authorized propane supplier fill your propane tanks. When the propane container is being filled, DO NOT smoke, strike a match or ignite a lighter. A spark or flame could ignite fumes. Also be sure all burner and pilot flames are out and the service valve is closed.

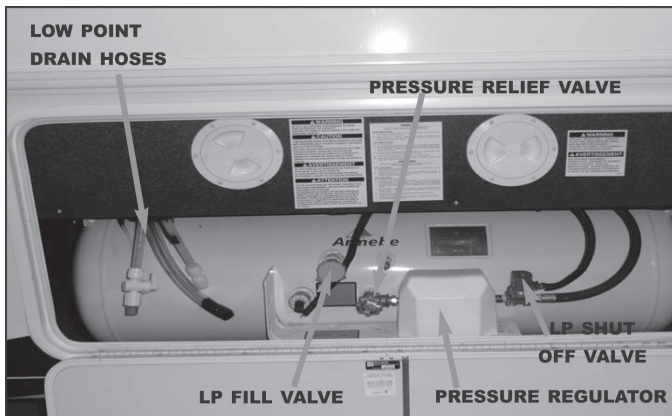
⚠ WARNING

If you detect a sulfur or 'rotten egg' odor, DO NOT turn on any appliances. Shut off all operating appliances. Extinguish any open flames, including cigarettes. DO NOT touch any electrical switches. Open windows and doors and exit the vehicle. Shut off the propane.

The propane is stored with extreme pressure in the tank with space in the tank to allow for expansion into vapor. This vapor is reduced in pressure by passing through a regulator. This reduction in pressure is a two-step process which ensures consistent pressure for use, regardless of outside temperatures, weather or altitude.

LIVING QUARTERS

Propane Regulator



Propane is under high pressure in the tank. The purpose of the regulator is to reduce the pressure inside the tank to allow for safe use.

⚠ WARNING

To avoid potential problems, have your propane system checked at least once a year by an authorized service center and after each extended trip.

⚠ WARNING

NEVER test for a leak by lighting a match or having an open flame where you suspect a leak. Take to an authorized service center.

Regulator Freeze-Up

The term 'regulator freeze-up' is a misleading one. Regulators and propane do not freeze. However, the moisture that can be contained in the propane will freeze as the propane expands and cools passing through the regulator. This freezing of the moisture in the propane can build up and partially or totally block the passage of the propane through the regulator. Freezing can also occur when outside temperatures are low enough to contribute to the freezing of the moisture in the propane.

The source of the moisture is varied. It can occur at the refinery or propane bulk plant, in the cars used to transport the propane, or even within your own propane tanks. Moisture in a propane tank can occur when a tank service valve is left open, allowing moist air to enter and become trapped.

A two-stage regulator helps reduce the possibility of freeze-up because of its larger orifice size and the fact that heat is being transferred through the walls of two regulators instead of only one.

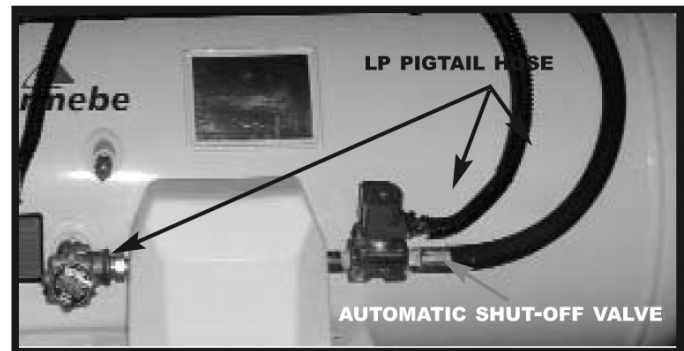
Tips to help prevent regulator freeze-up:

- Be sure your propane tank is free of moisture before refilling.
- DO NOT overfill the propane tank.
- Be sure to keep the service valve on an empty tank closed.
- If freezing occurs, have your propane dealer purge the tank before refilling.
- Check with your dealer to determine which deicing agent is approved to add to the propane tank.
- Keep the regulator covered at all times.

Other Cold Weather Factors

As outside temperatures drop, the BTU value of the propane is lessened. The colder propane in the tanks requires heat from the surrounding air to vaporize. This lowering of BTU value can significantly affect the performance of the system. Keeping your propane tanks as full as possible in cold weather and reviewing the BTU/hr. rating plates on propane appliances will help ensure proper propane management.

Propane Pigtail



The propane pigtail is a hose used to connect to the regulator on the tank through which the propane fuel flows. This safety feature is generally recognized by the large green nut that attaches to the outside of the valve on the regulator. It limits excessive propane flow and prevents propane from flowing unless the connection is tight.

NOTE:

The connection at the propane tank will shut down in extreme heat (240° - 300° Fahrenheit).