



C A R B O N F I B E R

Introducing the all new, vacuum infused, Carbon Fiber 2020 EarthRoamer LTi

The 2020 EarthRoamer LTi represents the third major iteration of our F-550 Ford Super Duty based XV-LT design and is the most significant advance to date. The new EarthRoamer LTi distills the knowledge we have gained from building over 250 Xpedition Vehicles over a period of 21 years. These vehicles have accumulated hundreds of thousands of miles on some of the world's harshest roads and trails, and have spent tens of thousands of nights camping in every weather condition imaginable. EarthRoamer Xpedition Vehicles are so strong and robust that all but one are still on the road today. We have taken what was the most advanced Xpedition Vehicle design in the world – the EarthRoamer LTS – and **taken it to a new, almost unimaginable level with the LTi.**



Even though the advances in the LTi are in many cases revolutionary, there are also many evolutionary changes.

We don't make changes for the sake of making changes, we make changes that truly enhance or improve upon the LT's mission of providing fully self-contained, luxury off-grid living in a robust overland vehicle. The fundamental design of the original LT is carried on in the latest LTi design, but many attributes of the design have been improved and advanced using the latest technologies available today.

Significant improvements and advancements with the new EarthRoamer LTi:

- Vacuum Infused Carbon Fiber Body – Vacuum Infused, Structural Foam Cored Sandwich is much lighter and stronger.
- Lithium Ion Batteries – More power in a smaller lighter package, low self-discharge, low maintenance and ability to handle high current charge and discharge rates.
- Frameless, Flush-Mount Glass Windows – High Quality Glass Windows with robust latching hardware and integrated screens and blinds.
- Increased Water Capacity – 100 gallons of fresh water and 60 gallons of gray water are now standard.
- Increased Interior height – 6-foot 10-inch stand-up height in camper (2 inches more than LTS) and more than 7 foot stand-up height in shower (4.75 inches more than LTS). Bunk area height increased to 31 inches (2 inches more than LTS). Exterior camper height stays the same as LTS at 11-foot 10-inches.
- Lower Entry Step – Stairs to enter the camper have been lowered 6 inches and an additional interior step has been added.
- Digital Electrical Control Systems – Provides software-controlled system protection, control and monitoring through a touchscreen interface.
- AutoCharge Function – Auto starts engine to charge batteries when batteries are low and Auto Charge System is activated.
- Dual Inverter Chargers – Provides redundancy and a total of 5,000 watts inverter power and 100 amps charging current.
- Hot Water System – Redesigned to not use engine coolant from the engine to heat hot water eliminating the risk of engine coolant leaks. Water is heated while driving with electricity and with the diesel hydronic heater when camping.
- Aluminum Front and Rear Bumpers – Reduced weight with the same strength.
- Multicolor Interior Indirect Lighting – Interior indirect ceiling and floor lighting color can now be changed to any color.
- New Standard Equipment – The Cellular Router, GPS Tracking System, Tire Pressure & Temperature Monitoring System and EarthRoamer Designed Billet Door Locks are all now included as standard equipment.
- Overall LTi Weight Reduction vs LTS – Greater than 1,000 pounds.



The biggest news with our all new LTi is the all Carbon Fiber body. Advanced spacecraft, military aircraft, exotic sports cars, high-end yachts, and even high-end bikes and sporting equipment are using carbon fiber. **If it needs to be light and strong, it is probably being made with carbon fiber.** While most of the RV and Expedition Vehicle marketplace are still using technologies developed in the 1950s, EarthRoamer has advanced to using Vacuum Infused, Carbon Fiber construction. All LTi bodies are produced using a Vacuum Infusion Process (VIP) to create and bond two carbon fiber skins to a structural foam core, resulting in a monocoque carbon fiber body that is much stronger and lighter than any traditional RV or overland camper body. It is a process that requires a large investment in molds, highly skilled composite technicians and expensive materials, but we believe the benefits of the much lighter weight and higher strength create value for our customers that is worth the investment and cost. EarthRoamer LTi bodies are 100% designed and manufactured in house at our factory in Dacono, Colorado giving us complete control over quality and schedule.

Another advancement achieved with the LTi is major improvements to the electrical and charging systems that now feature Lithium Ion batteries, Advanced Digital Control and Circuit Protection, and AutoCharge. In addition being much lighter than lead acid AGM batteries, **Lithium Ion batteries can be charged more quickly and discharged more safely to a lower level.** Our new Digital Control System enables us to simply and automate many functions and controls like our new AutoCharge function. When AutoCharge is activated and current draw is high (for example when concurrently using many high draw AC appliances) or when the batteries are low, the engine will automatically start and recharge the batteries. The touchpad enables easy access and control to , and the visual display provides ease access to tank levels, battery levels and electrical charging or usage.

All new frameless, flush mount windows give a whole new look to the LTi and are much more robust and higher quality than the acrylic windows in the LTS. By molding the window frame directly into the LTi body, we eliminate a potential leak point, improve the aesthetic of the camper body and eliminate the need to reseal window frames. The integrated screens and blinds, along with the window latch are much more robust and higher quality than previously used acrylic windows.



The EarthRoamer LTi is designed to innovate beyond what is known to overland travel today and elevate your experience beyond what was possible in an LTS.

Now, just as we brought you LT, LTS, and HD,
we bring you LTi. The most advanced Xpedition Vehicle ever made.



For more information, please contact info@earthroamer.com or call 303.833.7330.

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