



Using Your Bike Friday®:
All-Packa Frame Kit



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Congratulations!

You have just purchased the Bike Friday “All-Packa” Frame Kit. Green Gear travel products have been carefully designed, constructed and refined for your personal travel needs. All of our goods are manufactured in our Eugene, Oregon, factory by real cyclists who care about our products and our customers.

Please take your time reviewing this manual. You will find Green Gear Travel products to be simple and reliable for adventures the world over.

If You Need Help

If you need technical assistance with any Green Gear Cycling product, or are unclear on the proper operation of your Bike Friday, please contact us. Our email address is **service@bikefriday.com** and our toll-free number in the US and Canada is **800-777-0258**, international is **+1-541-687-0487**. Normal business hours are 8:30 a.m. to 5 p.m. Monday through Friday, Pacific Standard Time.

Extra Accessories

We also sell an extensive (and growing!) line of bicycle and travel accessories. Email or call us for info on spare tires & tubes, replacement parts, fenders, racks, bags, or other items to complete your travel system.

More Information

To check out our products, find other useful information and discover Bike Friday events go to our main web site at **www.bikefriday.com**. Or contact us at **800-777-0258** or **info@bikefriday.com**.

Blue skies and happy trails from the gang at Green Gear Cycling.

Additional Information

We recommend the Park Tool series of YouTube videos for instructions of how to build up a bike frame. If you are uncomfortable with building up a safe bicycle from a frame, we recommend working with a local bike shop to either do the work themselves, or check the work you have accomplished.

▲Tip

Be sure to keep a light film of grease on any intersecting bike parts. This will help to prevent corrosion, facilitate disassembly, and eliminate annoying noises. Areas include seat posts, saddle rails, handlebars, stems, seat masts and frame fork tips. Doing this a couple of times per year during routine maintenance should be enough. Wipe off any excess or visible grease.

Also be sure to lightly grease all bolt threads on your bicycle as you repair or upgrade components. Lubricating your bolts will allow you to adequately tighten the fasteners and keep them from seizing in the future.

Bicycles are a lot of fun, but they can also hurt you if you don't ride carefully. So please always ride safely!

- Always wear a helmet.
- Follow the rules of the road, and be courteous. (We all need to represent the best of cycling to the world.)
- Use front and rear lights after dark.
- Always carry a spare tube, patch kit, pump and a tool kit.
- Keep your bicycle in good shape.
- Check your tire pressure before every ride.
- Make sure all quick releases are secure!
- Have your bicycle routinely serviced for trouble-free travels.

1. Your Bike Friday “All-Packa” Frame Kit



2. Unpacking Your Frame

Your new frame kit has been prepared in several ways to save you time.

- We have verified proper alignment of the frame, including the bottom bracket, headtube, fork, seat mast, dropouts, disc brake mounts, and derailleur hangers.
- We have faced the headtube to ensure headset alignment.
- We have honed the seat mast for scratch free seatpost insertion.
- We have installed the headset. (If headset was purchased)
- We have installed star nuts in the riser (if headset was purchased) and steerer.
- We have used anti-seize and grease at the hinges, and test folded the frame.

3. Sizing Your Frame Kit

Your frame kit should have been sized to fit you perfectly during the buying process. Please contact us if the fit is not as expected. If for some reason, you desire to change the fit of your frame, you have several options:

- Swapping bars, stems and seatposts is a good place to start.
- Adjustable risers have several inches of vertical adjustment. (Contact us to order a longer or shorter riser.)
- Contact us to order a different length folding seat mast.
- Your riser can be cut down with a pipe-cutter or hacksaw. Fixed risers are 4130 chromoly steel and should have their cut edge sealed to prevent rust. Adjustable risers are 6061 aluminum.
- Contact us to order a new mainframe. The rear end and other frame parts can be swapped over.

4. Assembling Your Bike

Your Bike Friday frame uses common industry standards and is compatible with many components. With a frame kit, you choose how to build up your bike!

Industry Standards:

Bottom Bracket: 68mm BSA

Headset: EC34 / 1-1/8"

Hubs: 100mm QR front, 130mm QR rear (non-disc), 135mm QR rear (disc)

Brakes: Front 160mm post-mount disc, rear 140mm IS-mount disc

Seatpost: 28.6mm x 350mm

Front Derailleur mount: Braze-on

Tire size: 406 x 50-62mm / 20 x 2.0-2.4", 2.25" max with fenders

NOTE: It is easy to thread a bolt into the frame at an improper angle (cross threading the bolt into the frame). If you feel resistance when screwing a bolt in, stop and verify the bolt is being threaded in straight.

5. Component Recommendations:

- We recommend headsets with lower stack heights. This maximizes steerer and riser clamp engagement for a stiffer front end. For example, Cane Creek and Wolf Tooth Components are recommended over Chris King.
- Verify your drivetrain gear inches with an online calculator as 20" wheels will affect gearing as compared to 700cc wheels. Your mtb drivetrain may leave you spinning out on flats!
- We recommend medium cage rear derailleurs, or short cage rear derailleurs with road-link adapter. Cassettes equal to or smaller than 40 tooth are recommended, and if you are looking for more range, consider using front derailleurs. Cassettes larger than 40 tooth, and rear derailleurs with long cages can cause the bottom of the cage, lower pulley wheel, and chain to approach or even strike the ground and/or tire. This is due to the 20" wheel, as many modern mountain bike drivetrains are designed for 29ers.
- We design our frames for full length housing for the reduced maintenance. Compressionless brake housing is recommended for the best braking performance.
- We recommend rims with internal widths of at least 25mm.

6. Headset and Fork Assembly

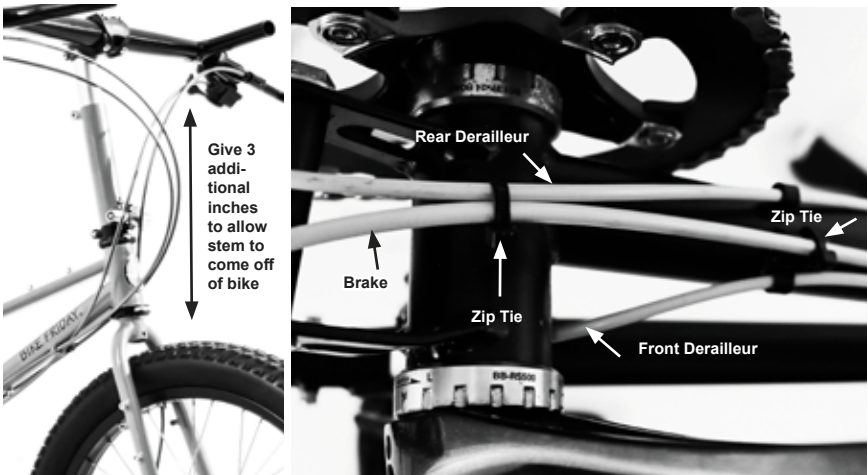
Your Bike Friday frame kit uses a threadless headset system like most modern bikes. The difference is that instead of an Ahead stem clamping down on the steerer to set headset pre-load, your Bike Friday uses a separate clamp to maintain headset pre-load, even when the stem riser is removed for easy packing.

If your frame kit included a headset, you will only need to adjust your headset if it loosens during your first rides. If you are installing your own headset, please see separate instructions for how to adjust headset pre-load.

7. Cabling

Folding and unfolding your Bike Friday puts additional stress on your cable housing. Follow these instructions to avoid kinks, damage, or poor shifting and braking performance.

- Give 3" longer housing than minimum between bar and frame braze-ons to account for lifting stem and bar assembly off while folding
- Front derailleur on left-most (toward Non-drive side) side of bike, routes above bottom bracket to stop on seat tube
- Rear derailleur and rear brake housing must pass beneath both bottom bracket and hinge in chainstays. A zip-tie around these 2 housings at this point is essential to prevent housing from catching on crankset of frame when folding bike. This zip-tie should not attach to frame. **See close-up photo below.**
- Rear brake housing must pass outside of chainstay and to inside of seat stay. Rear brake housing should pass through loop cable guide on seatstay (or be zip tied to this loop if hydraulic line)



All-Packer Complete Bike

