



Using Your Bike Friday®:
Folding Rear Rack



Green Gear Cycling®, Inc.

3364 W. 11th Ave. Eugene, OR 97402

800-777-0258 USA & Canada

+1-541-687-0487 Int'l

+1-541-687-0403 Fax

www.bikefriday.com • info@bikefriday.com

12-9-15

Congratulations!

You have just purchased the finest cycling accessories available today. 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 Systems 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 call us and a Service Technician will help you get back on the road. Our toll-free number in the US and Canada is **800-777-0258**, international is **+1-541-687-0487**. Normal business hours are 8 a.m. to 5 p.m. Monday through Friday, and 9 a.m. to 4 p.m. Saturdays, Pacific Standard Time. You can also email service questions to **service@bikefriday.com**.

Because we understand the needs of world travelers, we offer 24-hour technical support in emergencies. If necessary, please call our regular number and our answering service can forward you a Service Technician on call.

Extra Accessories

We also sell an extensive (and growing!) line of bicycle and travel accessories. Whether you are riding the local back roads or venturing into foreign lands we have the gear you need. 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, discover Bike Friday events and Yak with other Bike Friday owners on the bulletin board, go to our main web site at www.bikefriday.com.

Or just call us at 800-777-0258.

Blue skies and happy trails from the gang at Bike Friday.

Thread sizes

The stainless steel bolts that attach your rack to your bicycle use one of the most common thread sizes available today. If you lose one of these small bolts you will most likely find replacement hardware locally.

The thread size for the rack, water bottle cage, derailleur and brake cable clamp bolts is a metric 5mm x 0.8mm. A US standard thread of 10-32 can also be used in an emergency. The thread size for many of the frame parts and the front rack cross bar is a slightly larger 6mm x 1.0mm. Every bike shop and virtually any hardware store world-wide will stock these bolts in a variety of lengths.

If you are unable to find replacements while on tour give us a call or send us an email and we can ship to you what you need to get back on the road.

▲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.

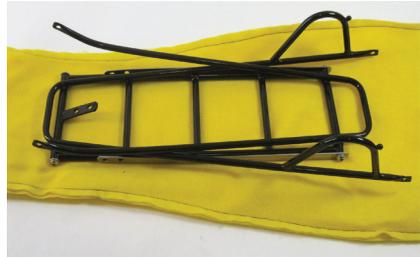
Bicycles are a lot of fun, but they can also hurt you if you don't ride carefully. So please always ride safely!

- 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.
- Dress appropriately for the weather and the season.
- 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.

Accessories: Rear Rack

1. BF Folding Rear Rack

This handmade tubular chromoly folding rear rack will securely carry your travel gear anywhere in the world. It also folds into a small package so you can pack it in your TravelCase.



2. Unfold the Rack

The two sets of main legs unfold down, while the two stainless steel stays unfold over the top.



3. Mount Legs to Bicycle frame

a) Non Adjustable Dropouts (all steel, painted, brazed to the frame), NON Disc Brakes-

Pass the (shorter of the two) bolts through the holes in the fork legs (one then the other) and thread the bolt into the threads on the frame on the dropout. Leave the bolt loose for now. (image 4)



image 4

Mount Legs To Bicycle Frame -continued

b) Non-Adjustable Dropouts (steel, painted, brazed to the frame) & Disc Brakes.

We use a spacer and a longer bolt on both sides of the bike to push the rack away from the disc caliper, ensuring adequate clearance. We use the same spacer and longer bolt on the opposite side to ensure aesthetic symmetry. (image 5)



image 5

Depending on commercial availability, your rack was supplied with either M5x40mm or M5x45mm bolts. If you have the 45mm bolts, you will need to place four M5 flat washers (included) behind the bolt head.

Slip the bolt through the rack leg holes, then the 25mm spacer. If the amount of exposed threads seems to be the same width as the width of the dropout threads, then finish assembly with that bolt. If the bolt seems to be too long, you received the 45mm bolt and you will need to put 4 M5 flat washers behind the bolt head. Install the disc caliper side rack bolt, leave it loose for now.

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

We sell one style rack for both disc brake bikes and non-disc brake bikes. Upon installing the non drive side rack legs to the bike and you are ready to mount the opposite side, you may need to spread the rack legs width a bit. If you feel the rack legs are too narrow and are making it difficult to get the second (opposite) set of legs installed, grasp the uninstalled side and pull them out a bit. It should not require that much strength to cold set (bend) the rack legs so that it is easier to get the bolt to line up through the fork leg holes and then screw into frame.

Do you feel that the face of the rack leg bolt hole is not parallel to the frame surface you are mounting it on? If yes, then you can quickly and easily “fit” the rack to the frame. Take a rag, cover the fork leg tip with it, then take an adjustable wrench and bend the rack leg tip slightly to be better aligned with the mating surface of the bike. For more specific fitting instructions see the subsequent section entitled “Fitting your Rack” found on page 8, or watch our informal video on this process: <http://tinyurl.com/kyo53y4>

c) Hinge Forward Adjustable Dropouts (steel painted plate brazed onto the frame and a silver aluminum insert, typically used on belt drive bikes or bikes with internally geared hubs like the Shimano Alfine) & Disc Brakes. Please follow the above instructions for non adjustable dropouts and disc brakes except different hardware is used:

Non Driveside dropout (out to in)

- M5x35mm bolt, qty 1
- Flat M5 washer, qty 2
- 19mm nylon spacer

Drive side dropout

- M5x25mm bolt
- M5 flat washer, qty 1
- 12mm nylon spacer

NOTE- you will be threading the bolt into the dropout which has a bolt brazed into the side of the painted steel plate. (image 6). These are two threaded holes in the dropout, you will be using the lower one.



image 6

4 Attach Stainless Steel Stays to Frame. Remove the two bolts on the side of your seat stay. Re-attach the bolts through one of the two holes on the rack stays. Experiment with each rack stay hole to provide the most level rack position. (image 7)



image 7

Hinge Forward Bicycles- you will need to replace the bolt that connects the seat stays together. You will be replacing it with a longer (included bolt). (image 8)



image 8

5 Tighten Bolts. Tighten all four mounting bolts (five for the Hinge Forward). If you would like to attach a rear reflector or a rear tail light, there is a threaded mount on the rear of the rack.



Tighten all bolts securely.

Fitting your rack



The “fitting” of a rack to a bike is the process of making small adjustments to the rack to improve the fit for a specific bike. This may be needed if your bike has disc brakes and may require spreading the rack stays wider than normal to ensure clearance of the disc caliper. Fitting the rack ensures the two surfaces (rack and its foundation, the dropout or spacer on the dropout) are parallel so the rack bolts goes on and off with ease.

The advantages of fitting include:

- Makes it easier to install or remove your rack.
- Reduces the risk of cross threading the threads on the dropout if you are not careful.
- To reduce the possibility of bending or excessive stress on the bolt when you are spacing the rack stays out for clearance issues.

Steps to fit your rack to your bike:

- Put your bike in a bike stand, have a friend hold the bike upright, or lean the bike against a wall.
- Mount the front stays of the rack to the bike (on the seat stays typically).
- Line the rear stays up next to the rear dropout braze-ons (by the rear axle) and get a “rough” sense of how much you are going to need to adjust the hole on the stay of the rack so it is parallel to the surface of the dropout you are bolting it to.
- Please note, some of our bikes will be using a spacer instead of brazing a “standoff” (threaded barrel brazed onto the dropout to space it out). If your bike requires spacers, approximate the parallelism of the rack to the dropout (or spacer), it does not matter which.
- Take a rag and an adjustable wrench and cover the rack tip with the rag (to prevent scratches).
- Place the mouth of the wrench over the rack stay tip and bend inward to make the two surfaces (rack and dropout or spacer on dropout) parallel. This will take firm but not impossible effort.
- Once it looks more parallel, bolt the rack on and enjoy!

NOTE: You may choose to space the rack out on both sides (aesthetically symmetrical) or just on the side of the disc brake caliper, either method is functionally the same.

Watch our informal video for the above process: <http://tinyurl.com/kyo53y4>