

Adult & Small HD FATWHEELS® Installation Instructions

Thank you for purchasing FATWHEELS®.
 Please read these instructions thoroughly before beginning the installation.

Tools and materials required for installing your FATWHEELS®:

15mm Wrench	½" Wrench	5mm Allen Wrench	Adhesive Tape	Colored Marker	Bicycle Tire Pump	Tire Gauge	Scissor
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Items included in this kit are:

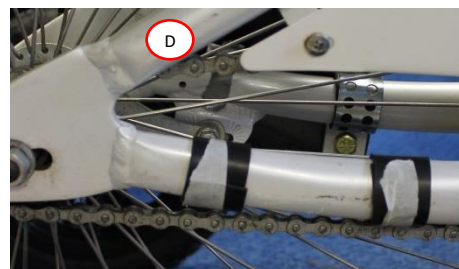
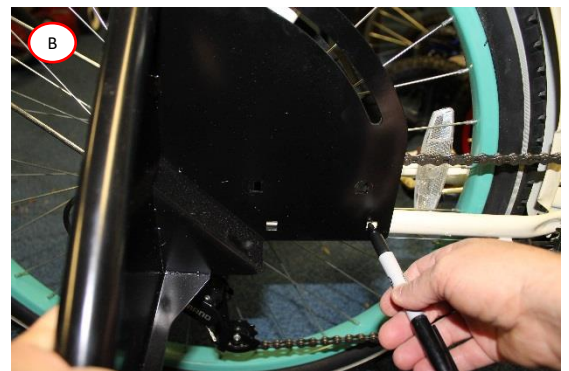
- 1 - FATWHEELS® Bracket Left
- 1 - FATWHEELS® Bracket Right
- 2 - FATWHEELS® Wheel Assemblies
- 2 - Axle Clamps
- 6 - Wrap Clamps
- 6 - Square Spacers
- 6 - 5/16" X 1.25" Carriage Bolts
- 6 - 5/16" X Nylon Lock Nuts
- 6 - 5/16" Flat Washers
- 1 - 1" X 3' Rubber Spacer Roll

FATWHEELS® are shipped with minimum air pressure. Inflate tires to 40 psi before use.

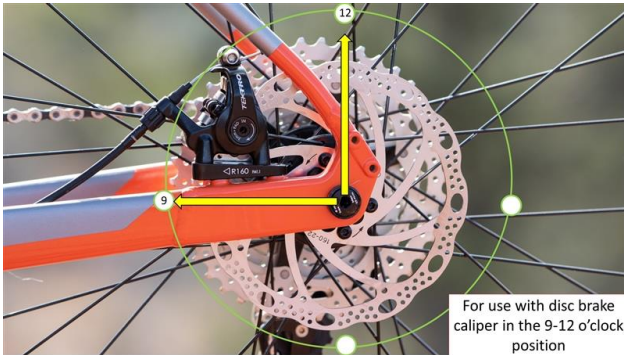


Installation Procedures:

1. Position the bicycle on a level surface and support the bike by leaning it against something sturdy or by laying on its' left side.
2. Identify the right hand frame bracket from picture A above and place it over the right rear frame as shown in picture B. Be sure that the lower support beam is in line with the rear axle. Picture M
3. Using a marker, place two marks on the lower chain stay (frame tube) as shown in picture B.
4. Once you've marked the bracket position, locate (2) wrap clamps and the rubber spacer roll. Picture C
5. Cut the rubber spacer roll to lengths of the circumference of the frame tubing.
6. Secure the rubber spacer with a piece of adhesive tape to hold the spacer in position over the previously marked positions. Picture D.



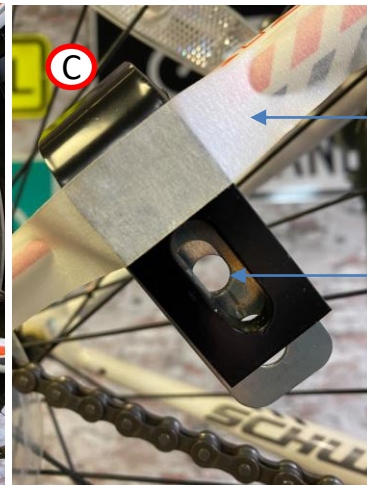
Supplemental Disc Brake Spacer Instructions (DBS1)



Follow these steps if your bicycle is equipped with a disc brake caliper in the 9-12 o'clock position on the left side and you have purchased the DBS1 (Disc Brake Spacer Kit)

Please read these instructions thoroughly before you decide whether you should install them yourself or get help from a competent bicycle mechanic.

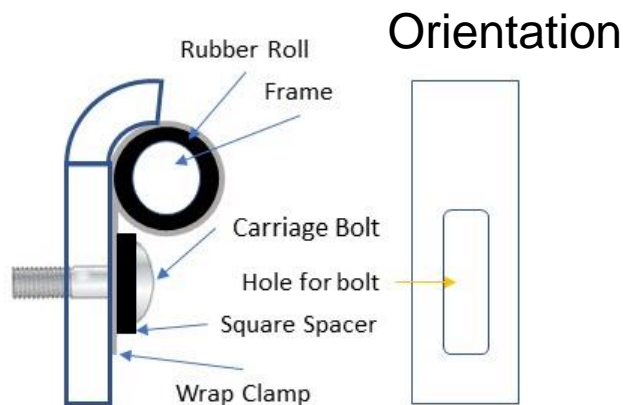
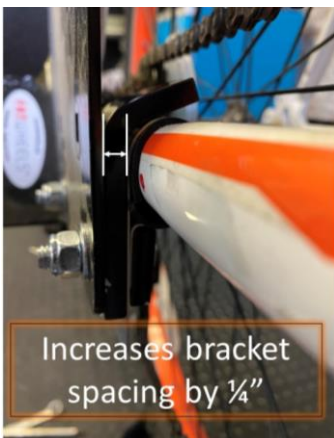
- i. This disc brake spacer kit allows the installation of the FATWHEELS Small HD and Adult kits where a disc brake caliper is in the 9 to 12 o'clock position as viewed from the left side. Three spacers are supplied in this kit and will be located between the left main bracket and the wrap clamps. These spacers are 1/4" thick and fasten with the hardware already provided in your FATWHEELS kit. Your caliper stick out from the frame cannot exceed 3/8" for these to work correctly. Picture **A**.
- ii. In step 9 of your kit's instruction, you had installed the wrap clamps on the frame. Picture **B**. Starting after step 10, mount the disc brake spacer over the wrap clamp with the hook over the top of the frame. Tape the spacer to the wrap clamp to hold it in place while you position the remaining spacers. The spacer's slotted hole should align with the holes in the wrap clamp. Picture **C**.



Tape

Hole Alignment

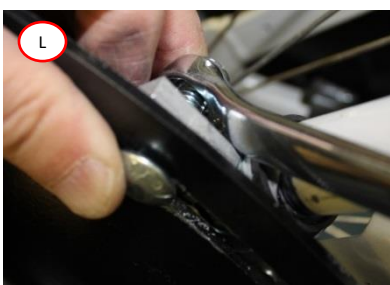
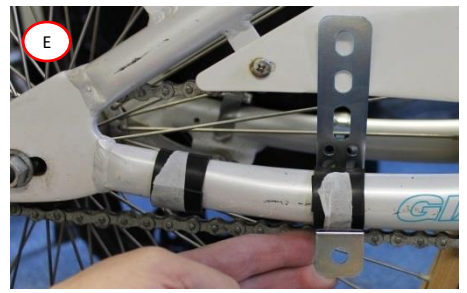
- iii. Once you've placed the supplied spacers on the wrap clamps, resume from step 11 of your kit's instruction sheet



7. With the offset bend of the wrap clamp facing down and against the rubber spacer, form the wrap clamp around the rubber spacer as tightly as possible. The mounting holes in the wrap clamp should align evenly when they come together. If there is a misalignment, release the wrap clamp and add additional layers of rubber spacer until the holes align. Use the holes that will make the wrap clamps as tight as possible around the frame tube. Picture **E** and **F**
8. If your shifter cable runs below the frame the wrap clamps can be inverted using the upper holes on the frame bracket.
9. Repeat Step 7 for the second lower wrap clamp. Picture **G**
10. Locate (2 of each) 5/16" X 1.25" carriage bolts, nylon lock nuts, flat washers and square spacers.
11. Position the bracket over the wrap clamps so that the lower bracket mounting holes align with the holes in the wrap clamps. Install the 5/16" X 1.25" carriage bolts so the head of the bolt is facing outward and away from the bike frame. Picture **H**.
12. Slide a square spacer over the thread on each of the bolts so that it nests in the offset bend of the wrap clamp. Install the flat washer and nylon lock nut and **Do Not** tighten at this point. Pictures **H** and **I**

Note: If the bike chain comes into contact with the bolt thread you may invert the bolt so the head of the bolt clears the chain. Picture **I**

12. With the frame bracket now loosely secured to the lower frame tube, mark the seat stay, (upper frame tube), through the arched slot of the frame bracket. Picture **J**
13. Once marked, pivot the frame bracket away from the upper frame and install the third wrap clamp by repeating steps **4** through **11**. The upper clamp can be mounted pointing up or down so that the flat surface of the wrap clamp makes its' greatest contact to the back of the frame bracket. Picture **K**
14. Now that the three wrap clamps are installed, be sure that the Adult FATWHEELS® lower support is in line with the rear axle and tighten all hardware. Pictures **L**, **M** and **N**



15. Locate one FATWHEELS® wheel assembly, remove and discard the 3/8" flanged nut and outer serrated washer, these will not be used with this specific kit. Picture **O**
16. Thread the axle clamp to the axle until axle bottoms out on clamp. Picture **P**
17. Slide the axle clamp and wheel assembly over the frame bracket down tube and loosely tighten the axle clamp with a 5mm Allen wrench so the clamp moves vertically and around the down tube before final adjustment. Picture **R**
18. Repeat steps 1 through 17 for left side bracket installation.
19. With both frame brackets and wheel assemblies in place, adjust the wheel heights for the desired ground clearance and align parallel to the rear bicycle tire. Be sure the bike is vertical and using a 5mm Allen wrench, tighten the four 6mm socket head cap screws on the axle clamp to 7 ft./lbs. Now tighten the 15mm axle nut between the axle clamp and wheel with a 15mm wrench. Torque the outer black acorn nut to 35 ft./lbs. Picture **Q** and **R**
20. Final check: Looking from the top down be sure that the FATWHEELS® wheels are as parallel to the rear bicycle tire as possible. If the wheels are not parallel, measure from the inside front and rear of the FATWHEELS® wheel assembly and make parallel to the bicycles rear tire by adjusting the axle clamps and retorquing the 6mm socket head cap screws. This alignment will aid in achieving maximum tire wear and rider stability. Picture **S**

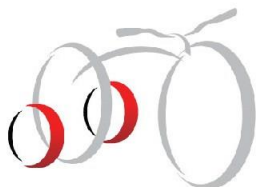


Acorn Nut



6mm Socket Head Cap Screw

Now you're ready to ride with confidence!



FATWHEELS®

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