

buildkitboards

How to Assemble 6in All-Terrain Wheels V2

This tutorial walks you through assembling the hubs for your BKB 6in. Wheels! *Pictures will be added soon*

Written By: Jared Ebersole





PARTS:

- 20 Locknuts (1)
- 10 Short Bolts (1)
- 10 Long Bolts (1)
- 4 Spacers (1)
- 4 valve stems (1)
- 6 Standard hubs (1)
- 2 Geared hubs (1)
- 2 375 Belts (1)
- 4 Tires (1)
- 6 Tubes (1)

Step 1 — Getting Started



- When assembling your 6" BKB AT wheels, there are a couple of tips to help you have a quick and easy assembly process.
- Organize your parts into groups, there should be:
- 20 Locknuts, 10 short bolts, 10 long bolts, 6 standard hubs, 2 Geared Hubs, 4 tires, 6 tubes, 4 spacers, 4 valvestems.

Step 2 — Getting Started



- When assembling the wheels, there's a couple of things to keep in mind.
- The tires are directional, meaning the tread has a specific direction they should rotate.
- To avoid any mistakes, use the valve stem as a placeholder, the valve stem should be facing the outside of the wheel.

Step 3 — Assembling the front wheels



- Place a tube into two of your tires, make sure you have the valve-stem coming out opposite sides.
- ① TIP: Slightly inflating the tube once it's within the tire will allow for more clearance when assembling the rims.
- Take any of the 6 standard hubs and push the hub into the tire, lining up the open half-circle for the valve stem.
- Take a silver spacer and place it on the inside center of the hub, on the bearing.
- Install your next hub on the backside of the wheel, with the silver spacer in the middle and the valve stem properly seated.
- Repeat on the second Front Wheel.

Step 4 — Finishing the Front wheels, Hardware



- Now that you have both hubs onto the tire, it's time to secure them.
 - *Grab 10 locknuts and 10 short bolts.*
 - Place the bolts through the hubs, with the heads on the valve stem side (*you don't want the ends of the bolts facing outward*)
 - Get the locknuts started if you can. If you cannot, make sure the hubs are lined up properly, and the bolt is all the way through.
 - If you notice on the hubs, the locknuts fit perfectly into the hub, you can use this to get the bolts threaded, then finish off the job with a tool/power tool.
- ⚠ **Don't tighten down the bolts fully, we'll do that at the end.**

Step 5 — Rear Wheel Assembly



- Place a tube into the last two of your tires, and make sure you have the valve stem coming out opposite sides.
- ⓘ TIP: Slightly inflating the tube once it's within the tire will allow for more clearance when assembling the rims.
- Take a standard hub and push the hub into the tire, lining up the open half-circle for the valve stem.
- Take a silver spacer and place it on the inside center of the hub, on the bearing.
- Install a geared hub on the backside of the wheel, with the silver spacer in the middle and the valve stem properly seated.
- Repeat on the second Rear Wheel.

Step 6 — Finishing up the Rear Wheels



- Now that you have both hubs onto the tire, it's time to secure them.
- Grab 10 locknuts and 10 long bolts.
- Place the bolts through the hubs, with the locknuts on the geared side.
- Get the locknuts started if you can. If you cannot, make sure the hubs are lined up properly, and the bolt is all the way through.
- The locknuts fit perfectly into the hub, you can use this to get the bolts threaded.

Step 7 — Tightening Everything Down



⚠ Be sure to inspect each wheel to make sure there are no tube pinches, hub spacing, or overall bad fits.

✦ **A powered tool makes this step much quicker**

- ⓘ Pro-Tip: Place something through the spacer, through the axle hole. Ensuring the silver spacer is properly seated when tightening.
- Tighten down each wheel in a star pattern. Meaning that after one bolt is tightened, skip the next one in rotation and repeat.
- Repeat this process on every wheel.

Step 8



- At this point, the hard part is over. Good job!
 - We advise testing the tires/tubes before riding. We typically inflate the tires to about 45 psi and let them sit overnight. *To ensure that there are no pre-existing leaks*
 - After they have been inflated, it's time to ride!
 - ⓘ *You can adjust the PSI of your wheels according to your terrain or desired grip/feel. When tires run at low PSI, the tread will typically wear faster.*
- ⚠ Be careful when riding, and wear your best protective gear.