

ASSEMBLING YOUR RHINO



GETTING STARTED

Your Rhino is already 95% assembled and only needs a few simple steps to be fully functional. You can watch our 11 minute [assembly video](#) in our [online help center](#) or follow the step-by-step instructions below.



While assembling your Rhino should take no longer than 30 minutes, please take your time with each step. We want to make sure your Rhino is ready to ride as soon as you've assembled it!



If you don't want to assemble your bike yourself, you can also take it to a local bike shop where they can easily assemble it for a small fee.

WHAT YOU'LL NEED

- A friend to help carefully lift the bike out of the box
- A knife or scissors to open the top of the box and cut the zip-ties
- Your Rhino parts box, which contains:
 - Pedals
 - Charger and cord
 - Toolkit (contains all the tools you need for assembly)
 - Touch-up paint
 - Footpegs
 - Miscellaneous screws

UNPACKING RHINO

- 1 Find a space with lots of room to work. Take pictures of the bike's box and note any damage to the outside. Cut off the packing straps on the outside of the box



- 2 Place the box upright and open up the flaps on the top of the box (be careful not to rip the box!)



- 5 Set the handlebars, front fender, cardboard parts box, and front wheel aside and out of the way. Cut the zip-tie that holds the front brake caliper



- 6 Pull the black plastic tab out of the brake caliper



- 3 Remove the foam packaging and lift the bike out of the box (you may need a friend to help) and gently place it on the ground so it is standing on the rear wheel and fork



- 4 Using your hands, scissors, or side-cutters, remove all of the zip-ties, foam, and cardboard from your bike. Make sure you don't scratch your frame!



INSTALLING THE HANDLEBARS

- 1** Pick up the handlebars and find the minimum insertion line



- 2** Slide your handlebars into the two forks until the minimum insertion line is just covered



- 5** Slide the rubber boot down to the top of the crown



- 6** Grab your handlebars and squeeze the brake levers. If they feel a little high, adjust them to a more comfortable position. With a 5mm allen, loosen the shifter and align accordingly



- 3** With a 5mm allen key tighten the two allen key bolts on the side of the fork. To tighten, turn each bolt 1-2 circles to the right, alternating bolts



- 4** Make sure you tighten the bolts until the two "pinch bars" almost touch and you cannot tighten them anymore. Repeat on the other fork



- 7** Make sure there is enough space next to the throttle so it can be pressed to its full range (make sure the bike is off!)



- 8** To adjust the keypad's position, use a 2.5mm on the backside of the keypad. Tighten (ignore the strange sound!)



INSTALLING THE HANDLEBARS (continued)

- 9 To adjust the throttle's position use a 3mm allen on the backside to get the bolt



- 10 Make sure there is sufficient space between the throttle and the brake lever so the throttle does not get stuck

- 1 Flip your bike upside down so it's resting on the seat and the handlebars



- 2 Remove the plastic fork protector. Set aside for disposal



- 3 Remove the plastic spacer in the brake handle (if it is present). Set aside for disposal



- 4 Locate the front brake caliper. Remove the colored plastic piece from between the brake pads. Do not squeeze your brake lever until after the brake caliper is installed



INSTALLING THE FRONT WHEEL AND BRAKE (continued)

- 5** With the 4mm wrench, remove the two rotor adapter bolts that run along the base edge of the caliper



- 6** Put the bolt and washer in from the outside of the fork and then into the adapter, with the logo facing the bolt



- 9** Find your quick release bolt in the packaging (sometimes it is clipped or taped to the front wheel, the disc protector, or the bike's axle)



- 10** Unscrew the end off the quick release bolt to remove the cap and the spring



- 7** With your 4mm wrench, tighten the two rotor adapter bolts



- 8** Locate the two caliper adjustment bolts. Loosen them a little in preparation for installing the front brake caliper



- 11** On the non-disc side of the wheel, slide the quick release bolt through the middle of the wheel



- 12** Flip the wheel around, and on the disc side, slide the spring onto the bolt with the larger part of the cone facing towards the outside of the bike and screw the cap on



INSTALLING THE FRONT WHEEL AND BRAKE (continued)

- 13** Screw the quick release cap onto the bolt so it's only attached by a thread (it should be loose)




- 14** Slide the wheel with the rotor on the brake side between the front forks and hook the tabs at the bottom of the forks onto the quick release bolt on either side of the wheel



- 15** While holding the non-lever end of the quick release bolt steady with one hand, screw the quick release lever to the right with your other hand. Tighten it until it is **HARD** to close. Flip the lever into the "close position"



-  Note: if your bike has a bolt-on front wheel, make sure the nut and washer are on both ends and tighten them with a 15mm hex wrench

WARNING: An improperly secured front wheel can cause loss of control, accidents, serious injury, or death. Check that the front wheel is properly secured to the bike during assembly and before each ride.

ATTACHING THE FRONT BRAKE CALIPER

- 1** With the bike still upside down, lightly press down the front brake handle with your foot to center the calipers on the brake before tightening




- 2** While still holding down the brake lever, tighten the two caliper adjuster bolts until they are snug (not over-tight). Once they are tight, you can release the brake



- 3** Spin the wheel to test if the wheel spins freely and does not rub on the brake pads



-  **If it sounds like the wheel is rubbing**, loosen the caliper adjuster bolts and try squeezing the brake lever again to center the calipers. If it looks like the disc is not centered between the calipers, you can gently push the caliper over with your thumb or finger until it is centered over the disc. Tighten the caliper adjuster bolts and release the brake lever

INSTALLING THE FRONT FENDER

- 1 Stand the bike right side up on its kickstand. Unscrew and remove the small bolt, washer, and nut that sit at the top of the wheel fork. Set aside

- 2 Find the front of the fender, which is the shorter end



- 3 Bend the front mount slightly with a pair of pliers to bring it away from the headtube of the bike, so that it doesn't try and scratch the paint



- 4 Squeeze the back mount closer to the front by hand or using the corner of a table or bench. When you're done, it should look like this:



- 5 With the mounts moved in closer, it should then fit snugly against the fork crown. If not, no worries, you can always bend it in a little more!



- 7 Place the nut on the back by hand



- 6 Insert the bolt and the washer into the front side of the fender



- 8 Angle the fender so it is nice and even over the tire



INSTALLING THE FRONT FENDER (continued)

- 9 Using the 8mm hex and the 4mm allen to tighten the nut onto the back of the bolt until it is really tight



- 10 You're all done!



SETTING UP YOUR BIKE'S ELECTRONICS

- 1 Remove your keys attached to the main wire harness at the front of the bike



- 2 Insert the key into the lock cylinder located on the left side of the bike under the battery tray



- 3 Turn the key to the right to unlock the battery



- 4 With the key turned, use the handle under the bottom of the battery to pull it out



SETTING UP YOUR BIKE'S ELECTRONICS (continued)

- 5 If the display is not connected, make sure the cables run from the bottom up through the handlebar



- 6 Pull them up just like in the picture, will let it freely move and have a good amount of cable for mobility!



- 9 Check the brake sensor cable with the red plugs on the front of your bike is plugged in



- 10 If unplugged, connect the cables - red to red. Make sure the pins and notches are lined up, arrow to arrow



- 7 Connect the display cables - green to green. Make sure the pins and notches are lined up, arrow to arrow



 Never force a cable together

- 8 Now connect the blue pins the same way. Make sure the pins and notches are lined up, arrow to arrow



 Never force a cable together

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INSTALLING YOUR PEDALS

1 The two pedals (left and right) come inside of the box included with the charger and tool kit

2 To determine which pedal is right or left, if you're sitting on the bike, you should be able to read the pedal's brand "wellgo" up the right way on the pedal



3 With your fingers, gently screw in your RIGHT pedal to the axle in the a CLOCKWISE direction towards the front of your bike



If you encounter any resistance, stop and make sure you're screwing the pedal into the correct side. If you thread the pedal onto the wrong side, it will damage the threads and render the pedal useless

4 Take your 15mm wrench and gently tighten the RIGHT pedal by pushing the wrench handle clockwise towards the front of the bike. Tighten until snug



5 Next, gently screw the LEFT pedal to the axle in a COUNTER CLOCKWISE direction towards the front of the bike!

6 Tighten the LEFT pedal with a 15mm wrench by pushing it counter-clockwise towards the front of the bike. Tighten until snug

INSTALLING THE PASSENGER FOOTPEGS

- 1** Using a box cutter or scissors, open the bag with the footpegs



- 2** The passenger foot pegs come with extra hardware that isn't needed. Just set them aside for a future project!



- 5** Bend the passenger peg and insert the bolt and washer



- 6** Insert the bolt into the frame and attach nut on the back side with hands



- 3** Using the 4mm allen and 8mm hex, remove the bolt that is pre-installed into your frame



- 4** Pull the bolt and washer out from the frame and keep the nut ready



- 7** Using an 8mm hex and 4mm allen tighten the pegs down



- 8** Make sure it is REALLY snug! Oriented as such in the photo, where it folds down



INSTALLING THE PASSENGER FOOTPEGS (continued)

9 Repeat on the other side of the bike with the other footpeg

10 Fold down when you're ready to use, or retract when not in use



INSTALLING THE HEADLIGHT

 **Make sure your Rhino is turned off before starting this step**

1 Find the box with your headlight. Remove all of the packaging and protective film




2 Remove the 2 screws, washers, and nuts from the bracket part of the headlight and set aside



3 Line up the holes on the light and the mount



 Make sure you keep the washers in the same order when you take them off

INSTALLING THE HEADLIGHT (continued)

- 4 Put the bolt with the spacers in from the outside of the mount. Attach one bolt first and barely attach the nut to the back so it's still really loose



- 5 Repeat on the other side



- 8 Tuck any excess cable into the frame and cut off the tag



- 6 Tighten both bolts down. You can use a 10mm or your finger and a 4mm allen



- 7 Locate the headlight plug (reddish/orange). Line up the arrows, notches, and pins, and connect the two sides together (gently!)



 Never force a cable together

IMPORTANT NOTES:

The latest Rhino headlights are designed to stay on low beams in order to minimize glare for motorists, riders, and pedestrians. It will still give you sufficient light to see the road or trail ahead of you.

Also your headlight will also turn on automatically every time you turn on your bike. You can always manually turn it off.

See Section: Riding your Rhino for more details

INSTALLING THE REAR RACK

1 Open up the box and remove any of the packaging

2 The rack should come with 2 short m4 bolts with 4mm washer, 2 spacer nuts, one 8mm end cap nut, one long m4 bolt and 4mm washer



3 Unlock and remove your battery from the bike

4 Insert the long m4 bolt and washer into the outside of the rack, with the contour going outwards



5 Insert the two spacer nuts with the two flanges kissing



6 Slide the bolt and rack into the hole at the back of the seat. Finger tighten an 8mm nut on the end of the bolt. Don't tighten it yet!



7 Hand screw a smaller m4 bolt and washer onto each side of the frame. Don't tighten them just yet!

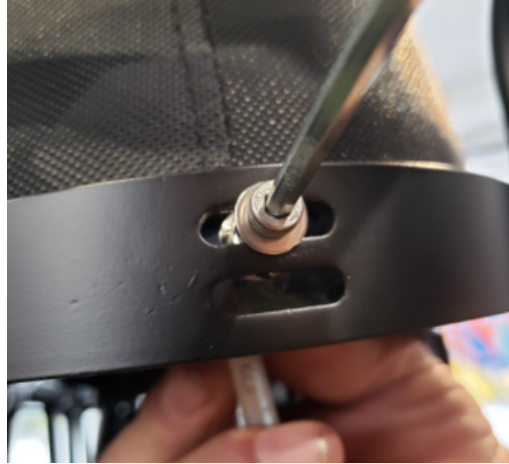


8 Using the 8mm hex and 4mm allen tighten down the main bolt



INSTALLING THE REAR RACK (continued)

9 Make sure the rack is centered on the bike



10 Tighten the smaller side bolts and then slide your battery back in and ensure it is locked. You're all done!



The rear rack is designed to carry a maximum extra load of 20lbs. Do not exceed this weight.