

# How to Install Front and Rear Racks on Denago City eBike

The following instructions will outline step by step instructions on installing the DENAGO designed front and rear rack on your Denago City 1 bike



Getting ready to install your fenders.

## Tools Needed-

- Denago Folding Tool
- Denago Pedal/Open Wrench
- Open Adjustable Wrench

## What is in your box-

- Front and Rear Fender
- 2 front rods- shorter
- 2 longer rods- rear
- 11 various bolts
- 3 lock nuts
- 2 washers
- 2 Front Brackets

YOUR DENAGO City 1 eBike



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The following instructions will outline step by step instructions on installing the DENAGO designed front and rear rack on your Denago City 1 bike



**Step 1-** Grab Front Fender and feed from back of wheel forward. Keeping TOP fender tap on back of fork.



**Step 2-** Take long bolt and larger washer and nut. Add washer to bolt and feed thru the bolt hole on the front fork and thru the fender tab. Connect the bolt.



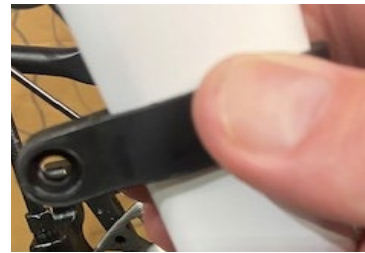
**Step 3-** Secure the bolt using your Denago Multi Tool and an adjustable wrench. Keep bolt loose until you add the fender rods.



**Step 4-** Take shorter rods along with 2 of the small allen bolts. Secure rod to back section of fender but do not tighten YET.



**Step 5-** Take fork brackets and apply to forks with bolt tab facing to the back of the frame. Insert allen bolt slide in rod into center of bracket and insert nut into the space on bracket



**Step 4-** With Bolt secure align rack to eliminate rubbing and secure and tighten the fork leg brackets



**Step 5-** Check alignment and secure and tighten bolts on fender



**Step 6-** Check alignment and secure and tighten fork bolt on top fender tab



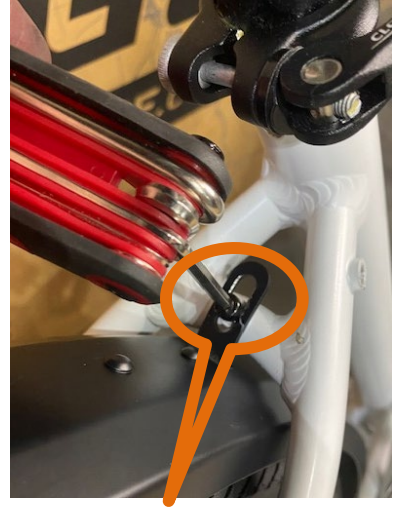
**Step 7-** Front fender is ready to go!



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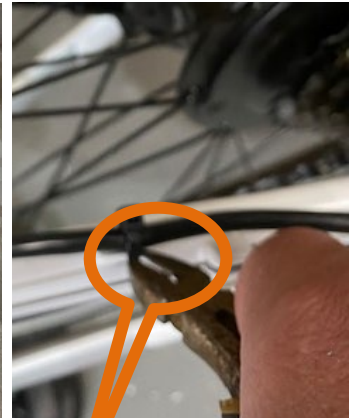
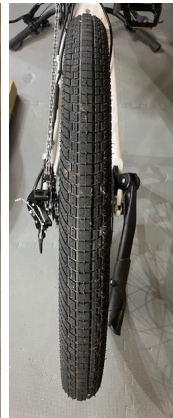
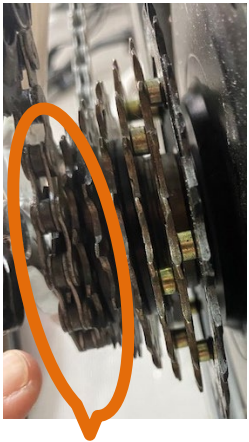
The next steps are how to install the rear fender and remove and replace the rear wheel



**REAR FENDER Step 1-** Grab Rear Fender and feed from back of wheel forward. Keeping TOP fender tap on back of frame. Take allen bolt and small washer and thread bolt thru fender tab and thread into frame bracket. Do not tighten YET

**YOU will need to remove the REAR WHEEL to complete the installation**

If you need help, please reach out or see your local bicycle dealer



**Step 2-** Make sure the gears are in the lowest cog.

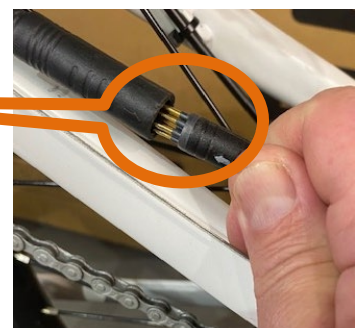
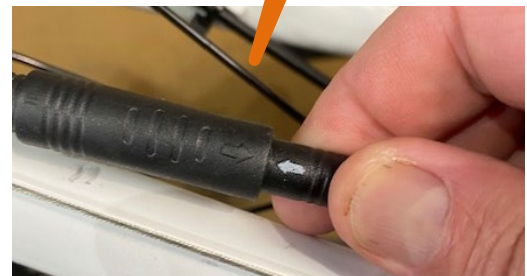
**Step 3-** Flip bike upside down TECH TIP make sure monitor is a little loose and seat is out far enough to offer balance of bike

**Step 4-** Make sure bike is stable

**Step 5-** Remove Zip Tie on motor cable

**Step 6-** Locate motor cable connector

**Step 7-** Pull firmly to disconnect motor cable. Be sure not to bend the plug pins.



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## Removing the rear wheel

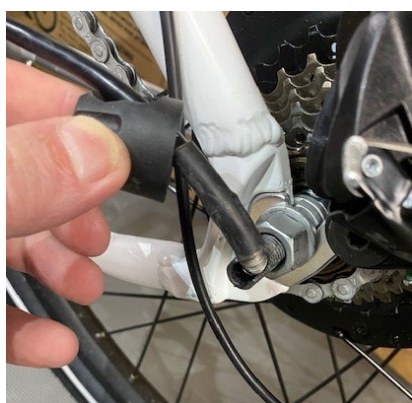
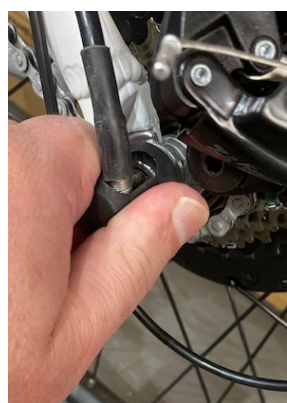
With your bike upside down and stable- your chain and gears in the lowest cog and the motor cable disconnected and free you are ready to remove the rear wheel.



**Step 8-** On the NON-DRIVE Side (NO GEARS) Remove the black cap. Make sure to set aside for replacement

**Step 9-** Use Denago Wrench and LOOSEN Axle nut

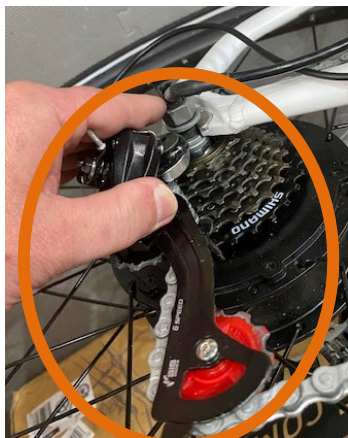
NOTE- Axle is slotted and with a unique washer stopper



**Step 10-** On the DRIVE Side (With GEARS) Remove the black cap. This threads thru the motor cable. Make sure to set aside for replacement

**Step 11-** Use Denago Wrench and LOOSEN Axle nut

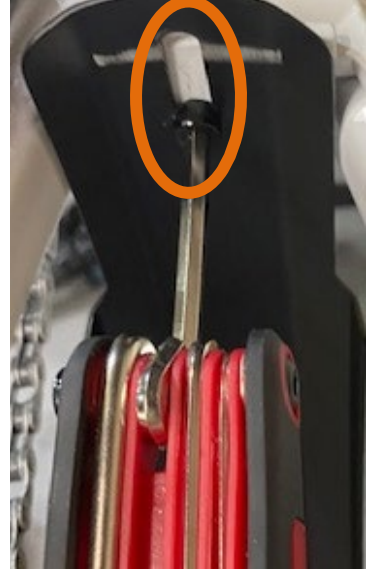
NOTE- Axle is slotted and with a unique washer stopper



**Step 12-** You will need some good finesse and force pull rear wheel up and back. You might need to pull rear derailleur back to help removing rear wheel

With rear wheel removed you will be able to secure the front end of the rear fender

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**Step 13-** Set rear wheel aside. DO not remove the Axle nuts or washers. Make note of order and position.

**Step 14-** align front tab of fender and take allen bolt and align fender tab with frame hole and secure. The best position is to have the largest opening of the slot on the fender toward the bottom of the frame. Secure tightly

**You are now ready to reinstall the rear wheel**



**Step 15-** Reinstalling the Rear Wheel- Multiple elements will be done simultaneously so please be aware of the following elements Set rear wheel aside.

- Align chain and gear in lowest cog
- Align axle position and inside axle stopper washer
- Align disc rotor with disc caliper
- Slip/Drop wheel into the drop-outs.



You are now prepared to check alignment and secure axle nuts

If aligned, you should be able to rotate your rear wheel.

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**Step 16-** With axle position in place and inside position axle stopper washer in place secure and tighten the rear wheel with the Denago wrench.

**Your wheel should spin freely if it does not revisit alignment steps and or seek help from your local bike shop**

You are now prepared to check alignment and secure axle nuts

If aligned, you should be able to rotate your rear wheel.



Below is details on AXEL STOPPER proper alignment and set up



**AXEL STOPPER WASHER DETAILS-** It is critical that this item is properly aligned and positioned. The notch in the washer is to the open end of the drop out. This helps support the rear wheel torque.

**The Axle Stopper washer is positioned on the inside of the frame and on the outside is a flat washer and the axle nut.**

**Ensure the wheel is aligned and spins freely with chain on cog, rotor aligned in disc caliper and secure and tighten both sides of axle nuts.**





**Step 17-** Apply axel caps on the rear axel nuts. Press firmly

For rear wheel you need to thread motor cable thru. Be cautious to not damage pins



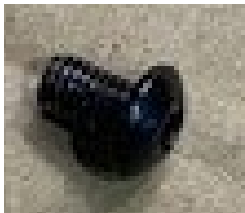
**Step 18-** Reconnect motor cable. Ensure pins are all straight- Align both ARROWS on each side



**Step 19-** Zip tie motor cable to frame bracket.

**CAUTION AVOID** shifter cable

**TURN BIKE BACK OVER** and Prepare to Finish Installing Rear Fender



**Step 20-** Take longer rack rods. Place BOWED out section to bottom of frame. Take small allen bolts and connect top of rod to rear fender. No not tighten



**Step 21-** Remove the 2 silver bolts by the seat. Take this and connect the bottom portion of the fender rods to the screw hole on the bottom of the frame. Connect and secure but do not tighten.

**You are ready to align the fender and secure**



**Step 22-** Align and secure all three sections. Bottom of Fender Rod Bolts. Top of road bolts and center bracket. **ALIGN and SECURE and TIGHTEN**



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