

RUNGU® DUALIE CHAINGUARD INSTALLATION

The Rungu Dualie Chainguard installs on top of the 30T chainring on all Rungu Dualie double-wheel e-bikes. The chainguard keeps your right pant cuff from being pulled in between the chain and chainring on your Rungu Dualie.

Note: Do not use the Rungu Dualie Chainguard if your Rungu Dualie uses a larger chainring.



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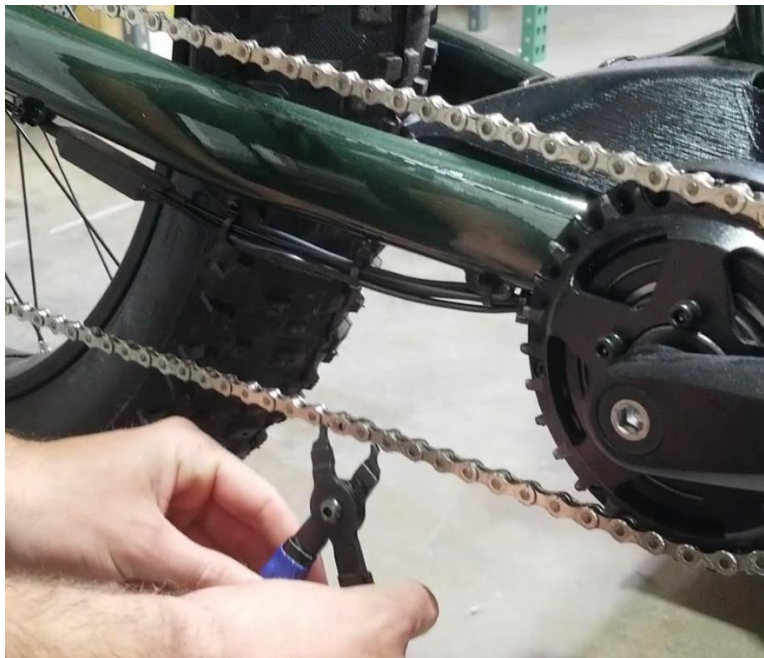
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Tools required

- 4 mm Hex Wrench
- 8 mm Hex Wrench
- [Park Tool CCP-22 Crank Puller](#), or equivalent.
- Chain whip - [suggested purchase](#)
- Bike Chain master link pliers - [suggested purchase](#)

Removing the right crank arm

First, rotate the chain so that you find the master link on the return side (bottom) of the chain. Use the master link pliers to compress the master link and disconnect the chain.



Drape the upper length of chain over the chainstay as shown below.



Use the 8mm hex wrench to unscrew and remove the crank arm bolt



Install the crank puller into the crank arm.



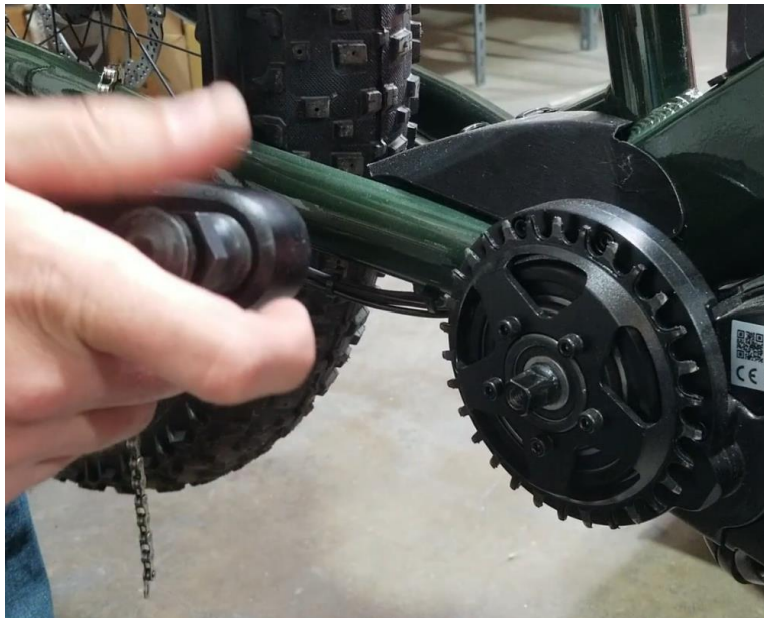
CAUTION: BE CAREFUL TO NOT CROSS THREAD THE CRANK PULLER MOUNTING NUT INTO THE CRANK ARM. FAILURE TO DO SO MAY DAMAGE THE CRANK ARM. CROSS THREADING IS NOT COVERED BY MANUFACTURER'S WARRANTY.

CAUTION: MAKE SURE CRANK PULLER MOUNTING NUT IS AT LEAST FIVE (5) THREADS DEEP INTO CRANK BEFORE TAKING NEXT STEP.

Rotate the crank arm puller clockwise to remove the crank arm.



Unscrew and remove the crank arm puller from the crank arm.



Installing the chainguard

Use the chain whip to stabilize the chain wheel and use the 4mm hex wrench to loosen and remove each of the five screws holding the chain wheel to the motor.



Place one of the M5x14 screws with a split washer through the chainguard and chainring.



Align both with a mounting hole on the motor, install and finger tighten the screw.



Install the next screw and split washer into a mounting hole on the opposite side of the spindle.



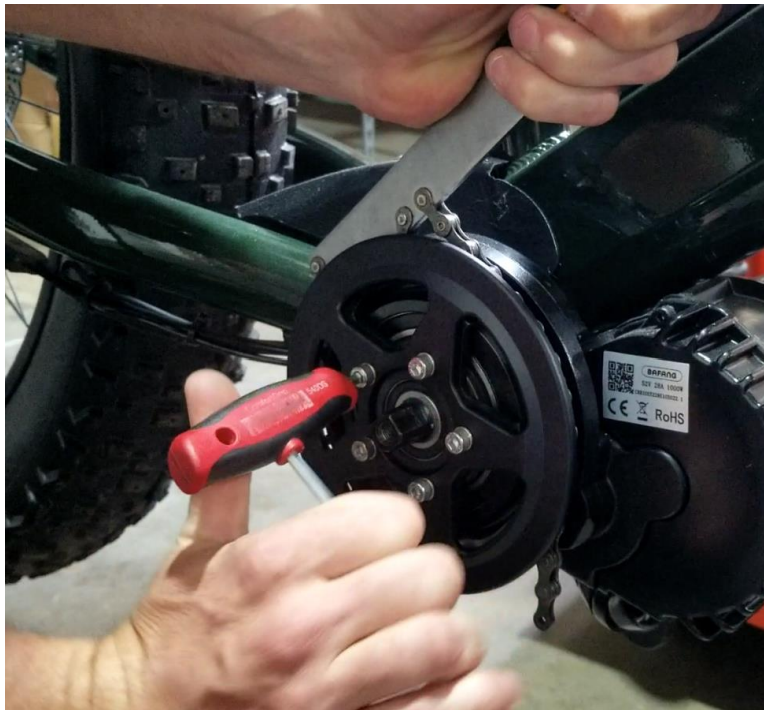
Finger-tighten the second screw, then install and finger tighten the remaining three screws and washers.



Use a 4 mm hex wrench to hand tighten each screw in a crossing pattern

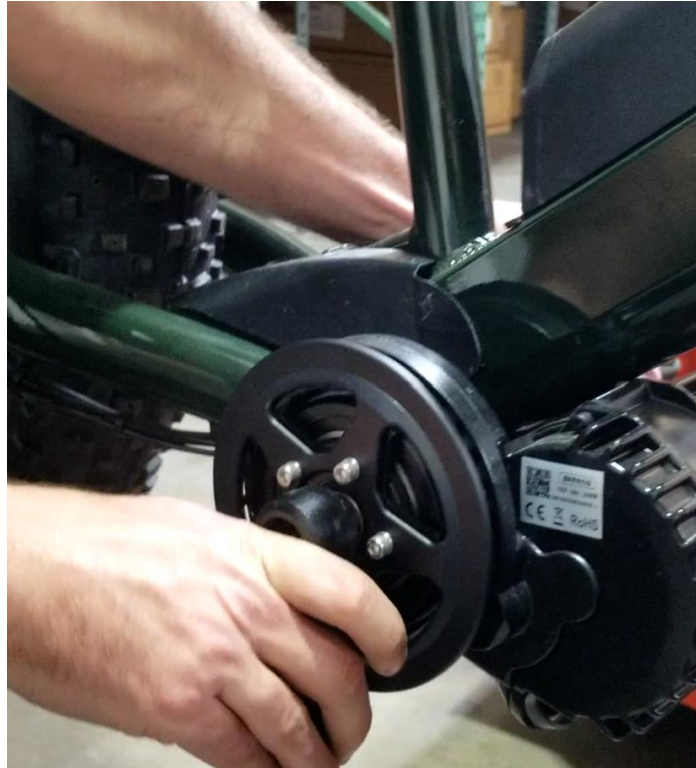


Finally use the chain whip to secure the chainring and fully tighten each screw using the same crossing pattern.

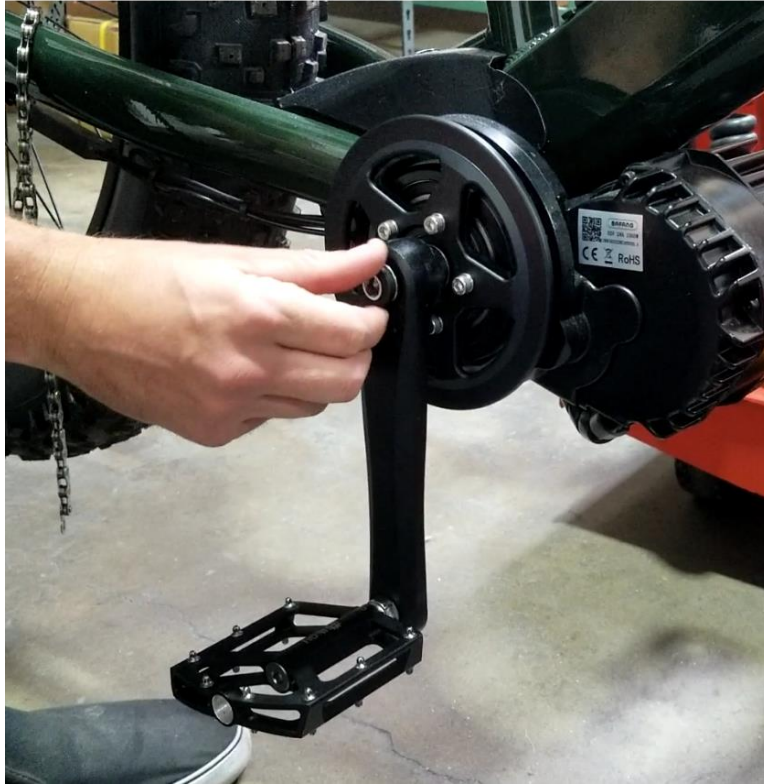


Replacing the crank arm and chain

While holding the left-side crank arm vertically, install the right crank arm 180 degrees opposite the left-side onto the square shaft.



Insert the crank arm retention bolt and begin threading it into the drive axle.



Use the 8 mm hex wrench to fully tighten the crank arm retention bolt to the drive axle.



With the crank arm in place and fully tightened, drape the drive side (top) chain over the top of the chainring.



Use the master links to reconnect the return side (bottom) of the chain.



Use the master link pliers to spread the master links and snap the master link in place

