



## Full 20" E-Bike Fenders

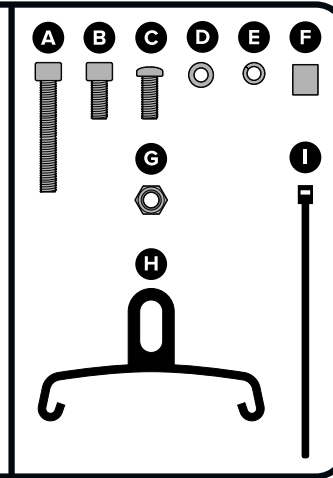
Thank you for buying our E-Bike Fenders. We designed these beauties to be safe, functional and tough. It will take some time and patience to get them set up juuuust right on your bike. If you don't have time and patience, or are unsure of any part of the installation process, have your local bike shop do the installation. They've installed a lot of fenders and usually have a trick or two up their sleeves for making fenders work with uncooperative frame designs.

Have Fun. Stay Dry.

For more info and an installation video, check out: [ridepdw.com/product-help](http://ridepdw.com/product-help)

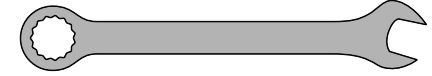
### Parts

- A) 30mm long bolt (x4)
- B) 10mm long bolt (x2)
- C) 12mm long bolt (x1)
- D) Washer (x5)
- E) Lock Washer (x4)
- F) Spacer (x4)
- G) Nyloc nut (x2)
- H) Rear hanger (x1)
- I) Plastic tie (x2)

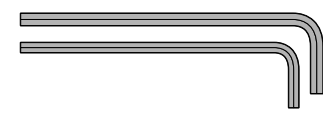


### Tools Needed (not included)

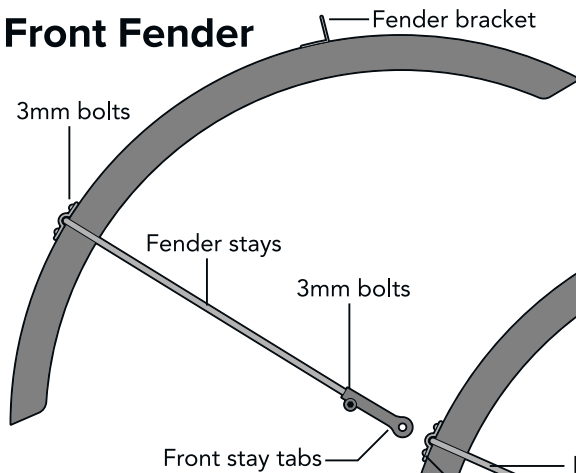
8mm box wrench



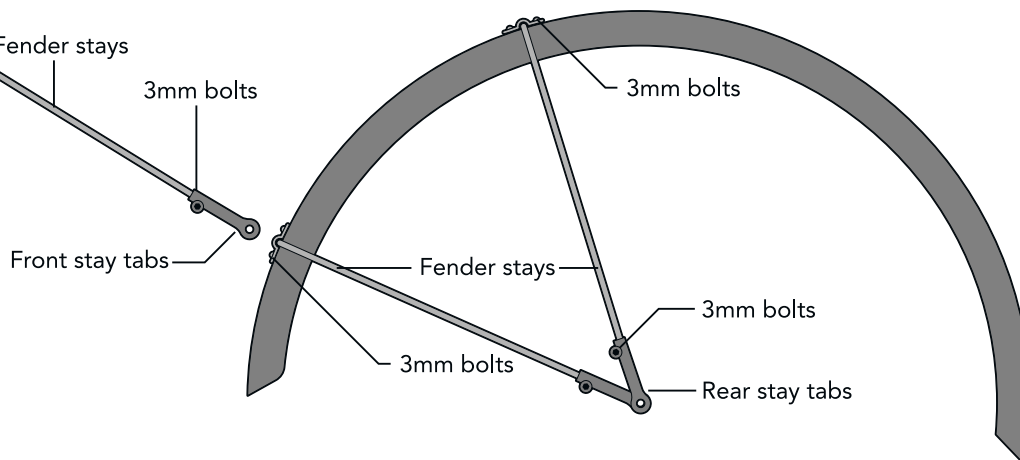
3, 4mm Allen/hex wrenches



### Front Fender



### Rear Fender



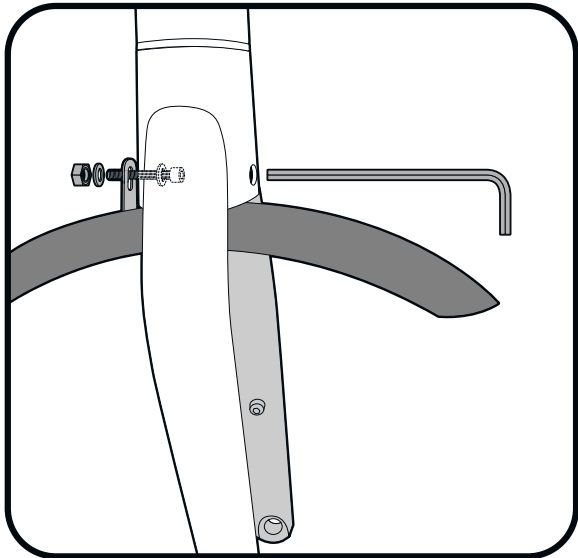
### Warnings

- Failure to follow installation instructions or improper use of these fenders can result in loss of control, personal injury or death.
- Check to make sure your toes do not hit the front fender when turning the wheel from side to side. If your toe hits the fender, we do not recommend using these fenders.
- There must be clearance of at least 10mm between tire and fender. If clearance is less than 10mm we do not recommend using these fenders. A smaller diameter tire may need to be installed to achieve the recommended 10mm clearance.
- Check hardware before each ride to make sure it is all properly installed, secure and in good working condition.
- These fenders are not intended for off road use or excessive speeds.

## Step 1

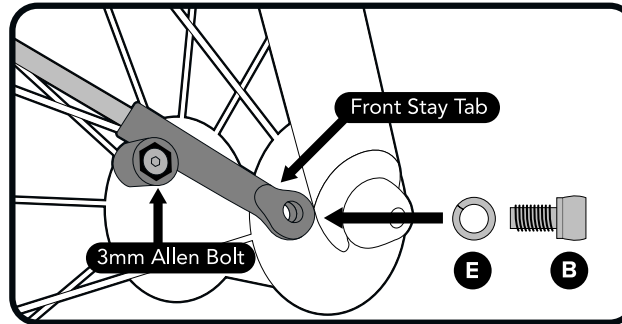
Remove front and rear wheels. For e-bikes with rear or front hub motors, follow the e-bike manufacturer's or hub manufacturer's instructions for removal. This will commonly involve unplugging the power cable and using an 18mm wrench to loosen and remove the wheel.

## Step 2



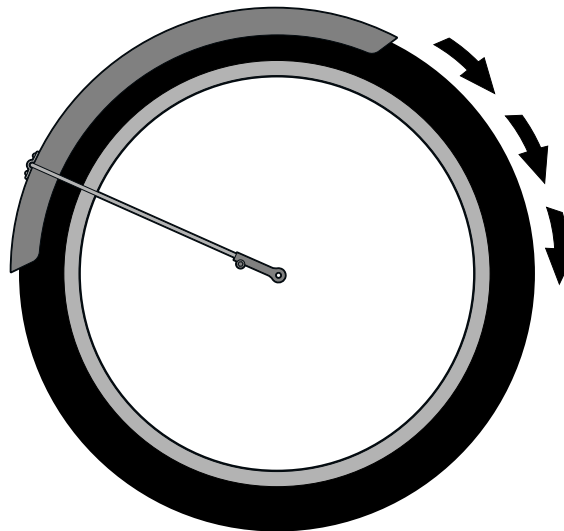
Use a 30mm bolt (A), two washers (D), and a Nyloc nut (G) to bolt front fender hanger to the fork crown in the order illustrated above. Insert a long 4mm Allen wrench into the hole in the front of the fork crown and into the 30mm bolt (A) to hold it in place while using an 8mm box wrench to tighten the nut onto the bolt. Fork crowns designs vary greatly among e-bikes so you may need a longer/shorter M5 bolt to attach the front hanger.

## Step 3



With a 3mm Allen wrench, loosen the stay tabs. Using the 10mm long bolts (B) and lock washers (E), attach the stay tabs to the eyelets on both sides of the fork. Tighten until snug. Reinstall the front wheel. Adjust the fender so it is clear of the tire and then tighten the bolts on the stay tabs back down with a 3mm Allen wrench.

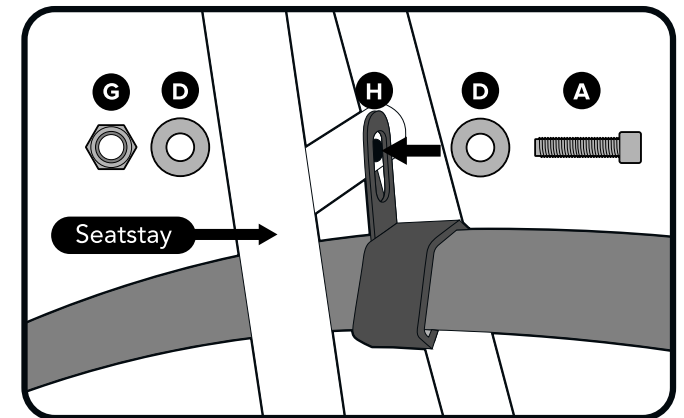
## Step 4



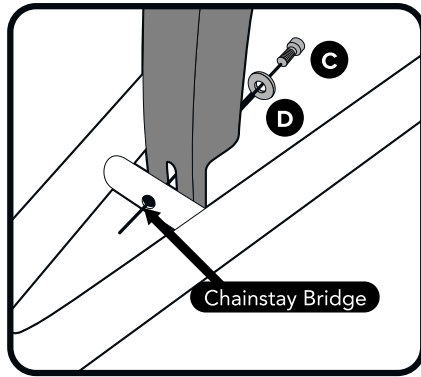
Spin the wheel and check for rubbing and adjust as needed. Double check that all hardware is tight.

## Step 5

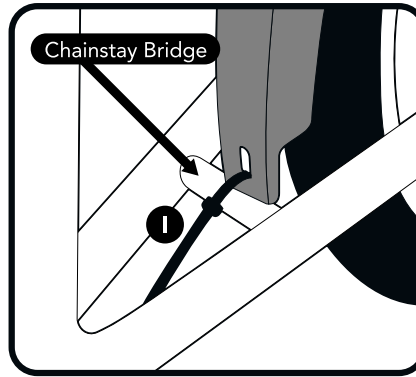
**\*If your bike has no rear seatstay bridge to attach the rear hanger (H) then skip to Step 6\*.** Otherwise, snap the rear hanger (H) onto the rear fender. Next, use a 30mm long bolt (A), two washers (D), and a Nyloc nut (G) to bolt the rear hanger to the seatstay bridge.



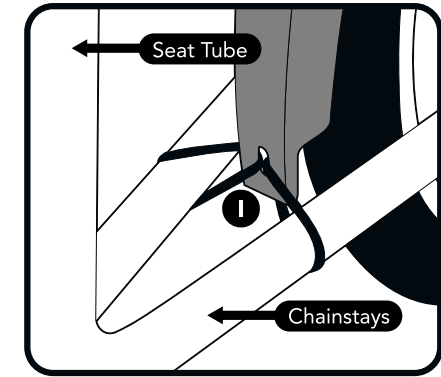
## Step 6



If your bike has a chainstay bridge with a threaded eyelet, use a 12mm long bolt (C) and large washer (D) to attach the rear fender. You may need to add spacers between the fender and chainstay bridge to bring the fender closer to your tire.

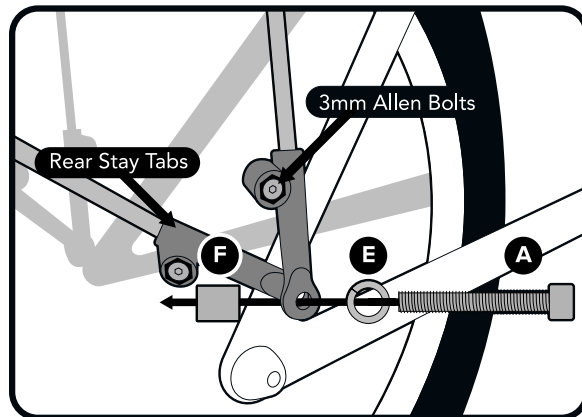


If your bike has a chainstay bridge, use one zip tie (H) to affix rear fender to the chainstay bridge.



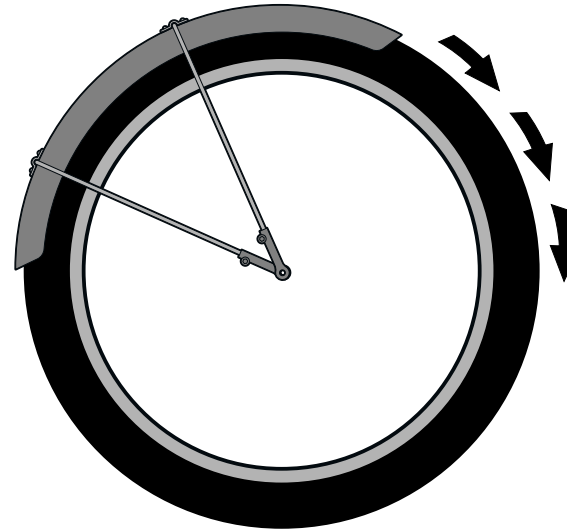
If your bike has no chainstay bridge, use two zip ties (H) to either affix the fender to the chain stays or to the seat tube.

## Step 7



With a 4mm Allen wrench, attach the stay tabs to the eyelets on both sides of the frame with 30mm bolts (A), lock washers (E), and spacers (F.) With a 3mm Allen wrench, loosen the bolts on the stay tabs and position the fender a safe distance from the tire. Tighten the 3mm bolts on the stay tabs.

## Step 8



Spin the wheel and check for rubbing and adjust as needed. Double check that all hardware is tight.



Beautiful, simple gear for everyday cycling