

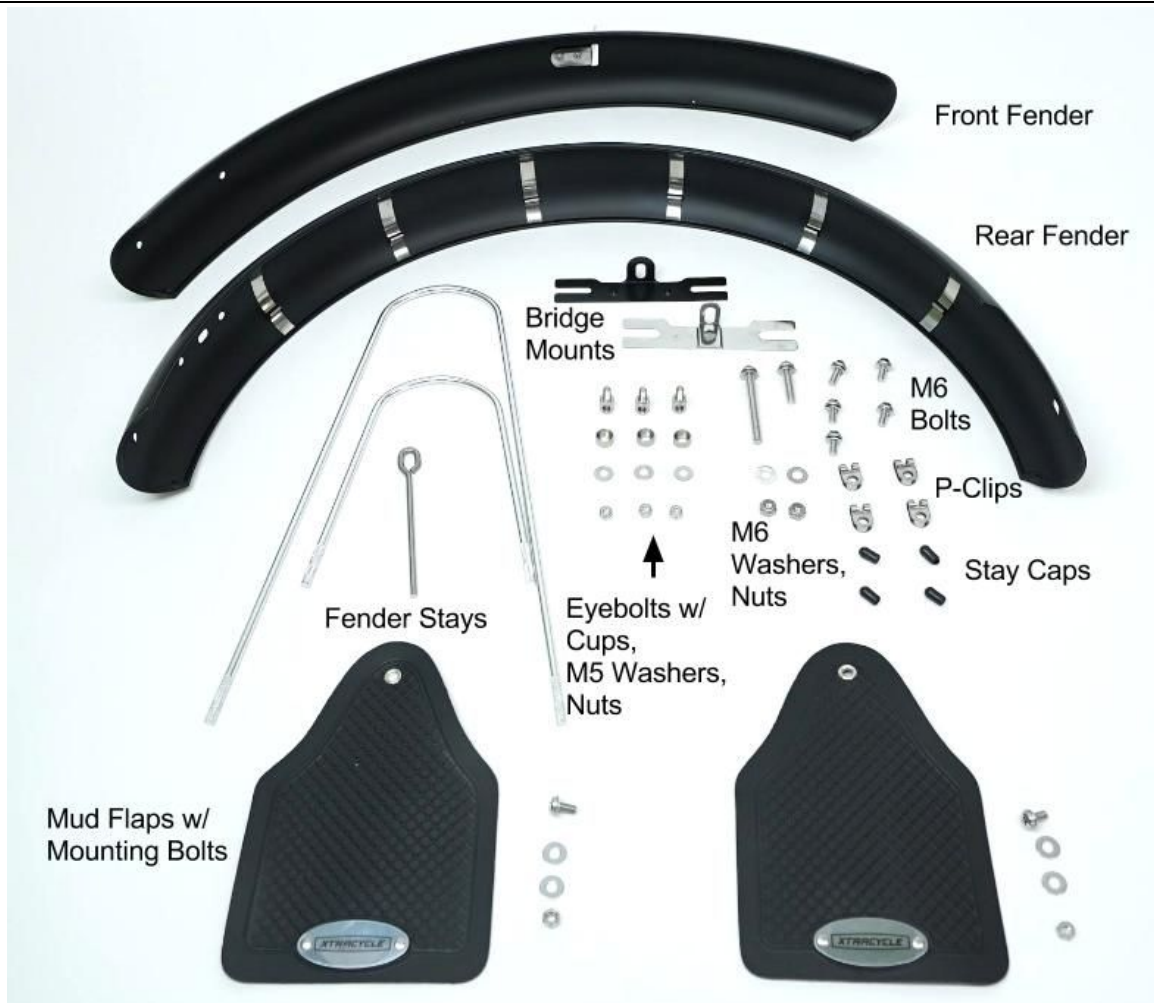
EDGERUNNER FENDER SET ASSEMBLY GUIDE

Fenders are a key part of making your bicycle a true all-weather vehicle. Xtracycle Edgerunner fenders are all-metal and specifically designed for the frame and wheels on our Edgerunner bikes. Here's how to install them cleanly and easily.

A general note on metal fenders: when installing the fenders, avoid bending or forcing them into place as much as possible; doing so may cause them to fatigue and crack from vibration. Allow them to follow their pre-formed curve and adjust the stays and mounting points to achieve proper positioning.

Tools required:

- Philips head screwdriver
- 8 and 10mm wrenches
- 4mm allen wrench
- Needle nose pliers or flat head screwdriver
- Medium strength thread locking compound (Blue Loctite or similar) (optional)
- Bolt cutters or hacksaw (optional)
- Metal file (optional)



Rear Fender

Assemble the rear fender, starting with the mud flap.

- The mud flaps mount to the outside of the fender (to prevent flap ingestion) and use the lowest hole on the rear of the fender.
- Secure the mud flap with the included philips head bolt, nyloc nut, and washers.
- Use a phillips head screwdriver and 8mm wrench to tighten the bolt and nut.



Attach one eyebolt and cup to the hole directly above the mud flap, with the eyebolt on the outside of the fender and a M5 nyloc nut with washer on the inside.

- The u-shaped rear fender stay (shorter) has slight markings indicating its center, slip the stay through the eyebolt until it rests between these markings.
- Tighten the nut just enough that the eyebolt grasps the stay but it is still possible to adjust it.



Like the u-shaped stay, the straight rear fender stay mounts to the hole on the front of the fender with an eyebolt, cup, and M5 nyloc nut.



Slip the fender over the rear wheel of the bike.

Attach the u-shaped rear fender stay to the bosses on top of the seat stays of the bike, using two p-clips and two M6x10 bolts as shown.

Note: It is recommended that you use a medium strength thread lock compound, such as Blue Loctite, on the bolts attaching the fender stays to the frame, to prevent them from vibrating loose.



Attach the straight rear fender stay to the boss on the top of the left chainstay with an M6x10 bolt.

Note: It is recommended that you use a medium strength thread lock compound, such as Blue Loctite, on the bolts attaching the fender stays to the frame, to prevent them from vibrating loose.



Check alignment with the rear wheel installed. The fender should follow the curve of the wheel evenly and have at least 10mm or 1/2" of clearance from the tire.



Once the fender is aligned, use an 8mm wrench to tighten both of the M5 nyloc nuts holding the eyebolts, making sure the nyloc is fully engaged. (you may find it easier to temporarily remove the rear wheel to access these nuts).



Use a 4mm allen wrench to tighten the 3 M6 bolts attaching the stays to the frame to 4-5 N-m.

The bridge mount has to be formed to the fender. Bend it to match the top curve of the fender.

Note: The black and silver bridge mounts are the same. Use whichever suits your aesthetic sensibilities.



Bolt the bridge mount to the seatstay bridge using the M6x25mm bolt and nut.

Use pliers or a flat-head screwdriver to bend the tabs around the underside of the fender.

Note: This needs to be a tight fit to keep the fender off the tire and prevent rattling.



Use a 4mm allen wrench and 10mm wrench to tighten the bolt and nut to 6-8 N-m.

Check the clearance between the chain and front of the rear fender when in the lowest gear combination (biggest rear cog and smallest front chainring). If the chain is too close to the fender, it may get caught on the fender while pedaling.

- We recommend at least 1.5 cm of clearance between the chain and fender.
- If it is too close, adjust the front fender stay accordingly.



Front Fender

Attach the front mud flap to the front fender, in the same way that the rear mudflap was attached.

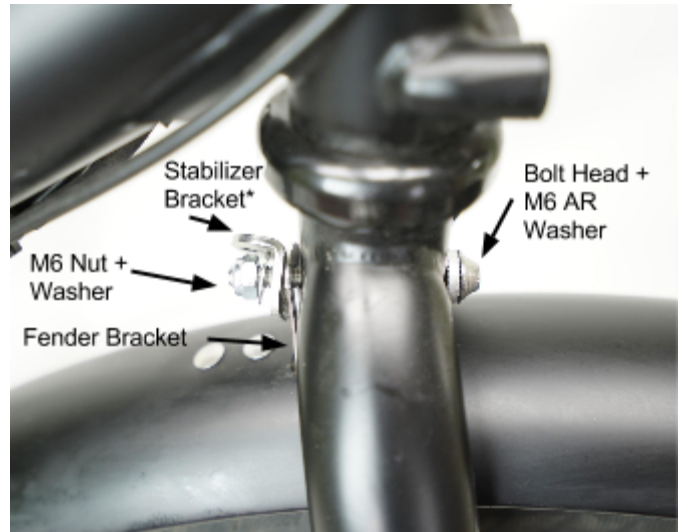
Attach the u-shaped front fender stay (longer) to the front fender using an eyebolt, cup, and M5 nyloc nut/washer, in the same way that the rear fender stays were attached.



Attach the riveted on L-bracket at the top of the front fender to the crown of the fork with the the M6X55mm bolt, in the configuration shown.

Note: The fender bracket may share the attachment bolt with a Light Mount and/or Handlebar Stabilizer. If a Light Mount is present (not shown), it fits between the bolt head and AR washer.

Note: If the bike has a Handlebar Stabilizer, **do not** connect the stabilizer spring until the front fender is completely installed and the fork crown bolt is tightened down! The force on the spring is enough to strip the bolt.





Use a 4mm allen wrench and 10mm wrench to tighten the bolt and nut, just enough to lightly hold everything in place.

Use the p-clips and M6x10 screws to attach the stays to the bosses on the fork blades, leaving them loose enough so that the stay can still slip through the p-clips.

Note: As in the rear, it is recommended that you use medium strength thread locking compound on these screws.



<p>Install the front wheel on the bike.</p>	
<p>Adjust the position of the fender, at the vertical slot in the fork crown bracket and the p-clips, until the fender follows the curve of the wheel evenly, and there is at least 10mm or 1/2" clearance all the way around.</p>	
<p>Use a 4mm allen wrench and 10mm wrench to tighten the fork crown bolt to 6-8 N-m.</p>	
<p>Use a 4mm allen wrench to tighten the screws holding the p-clips to 4-5 N-m.</p>	
<p>Use a 8mm wrench to tighten the M5 nyloc nut on the inside of the fender, making sure the nyloc is fully engaged (you may find it easiest to temporarily remove the front wheel to access this nut).</p>	
<p>On bikes with curved fork blades (24d and 8e), you may end up with excess fender stay protruding in front of the p-clip. They can be trimmed with bolt cutters or a hacksaw (be careful not to chip the paint on the fork), smoothed with a file, and protected by the included black stay caps.</p>	

Warranty

Xtracycle Fenders are guaranteed to be free from manufacturing defects for one (1) year from the original date of purchase. This warranty applies only to the original buyer and is not transferable. This warranty does not cover damage from use of this product outside of its intended range or that resulting from modification or neglect. It also does not cover wear and tear resulting from the normal use of the product. Please contact your Xtracycle dealer if you believe you have a warranty claim.