

# xtracycle

RFA ASSEMBLY MANUAL

28MPH



# ASSEMBLING THE RFA

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## Tools needed

- 3 mm Allen wrench
- 4 mm Allen wrench
- 5 mm Allen wrench
- 6 mm Allen wrench
- Snippers / scissors
- 10 mm socket wrench
- Pedal wrench or 15 mm wrench
- Bicycle grease



# PREBUILD CHECK

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Look over the box for signs of shipping damage. If damage is present, please take pictures in case a shipping damage report needs to be filed.



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Record the serial number and the Shimano key number, which can be found on the label on the side of the box. Keep these numbers in a secure place since they might be needed in case something happens to your bike or you lose your Shimano key. The serial number is directly beneath the bar code next to "Frame No:". For the RFA, this will start with RFA. The key number is directly beneath the bar code next to "Key No:".



# OPEN THE BOX

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Inspect the contents and again look for any signs of shipping damage.



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# 6

Remove and set aside:

- front wheel and fender (in largest box together)
- RFA KickBack and footrests (in medium box together)
- small parts box



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7

If you have a stand, please secure the bike to the stand, otherwise with a friend, lift the bike out of the box and set it on your work surface.



# CHARGE THE BATTERY

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Remove the battery keys secured to the cables in front of the handlebars.



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Cut the zipties securing your handlebars to your frame and place them safely to the side. Unlock your battery and remove it by rotating it away from the bike.



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## 10

Find the battery charger and domestic power cable in the small parts box. Locate the charging port on the drive side of the battery. Pull back the rubber cover and plug in the charging cable.



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Make sure the charge indicator lights begin to blink green. A full charge will take a few hours but you will be able to use the battery with a partial charge by the time you are done setting up your bike.



# INSTALL THE RFA KICKBACK

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Set up your (4) M8 bolts with 2 washer each.



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Bring the KickBack up and under the RFA. The mounting plate should be placed inside the two horizontal chainstays.



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Place the KickBack so that the 2 ovalized holes on each side line up with the bosses on the inside of the chain stay.



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## 15

Install each M8 bolt with either a long 5mm ball-head hex wrench or a short L-shaped 5mm hex wrench one at a time. Tighten the first half of the threads so that you have slack to move the bracket around to align for the other three bolts.



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**16**

Once all bolts are installed, finish installing and snug down till tight.



# INSTALLING FRONT FENDER

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Carefully lift the front of the bike and deploy the kickstand.

\* You may want to add something weighted to the rear rack to keep the bike from tipping forward.



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**18**

Remove the packaging around the fork and remove the thru-axel with a 6 mm Allen wrench.



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The hardware for your fender is already installed in your fork. Please remove the M6 nyloc nut and L-bracket.



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## 20

Install your fender using the M6 bolt already in the fork. The order should be fender tab, L-bracket, washer, M6 nyloc.

Tighten the M6 bolt using a 10mm box wrench and a 4mm hex wrench.



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21

The fender strut hardware is already installed in your fork. Remove the two M5 bolts with a 3mm hex wrench.



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Use a 3 mm Allen wrench to attach the outer support arms of the fender to the lower fork-mounting points with the two M5 bolts.

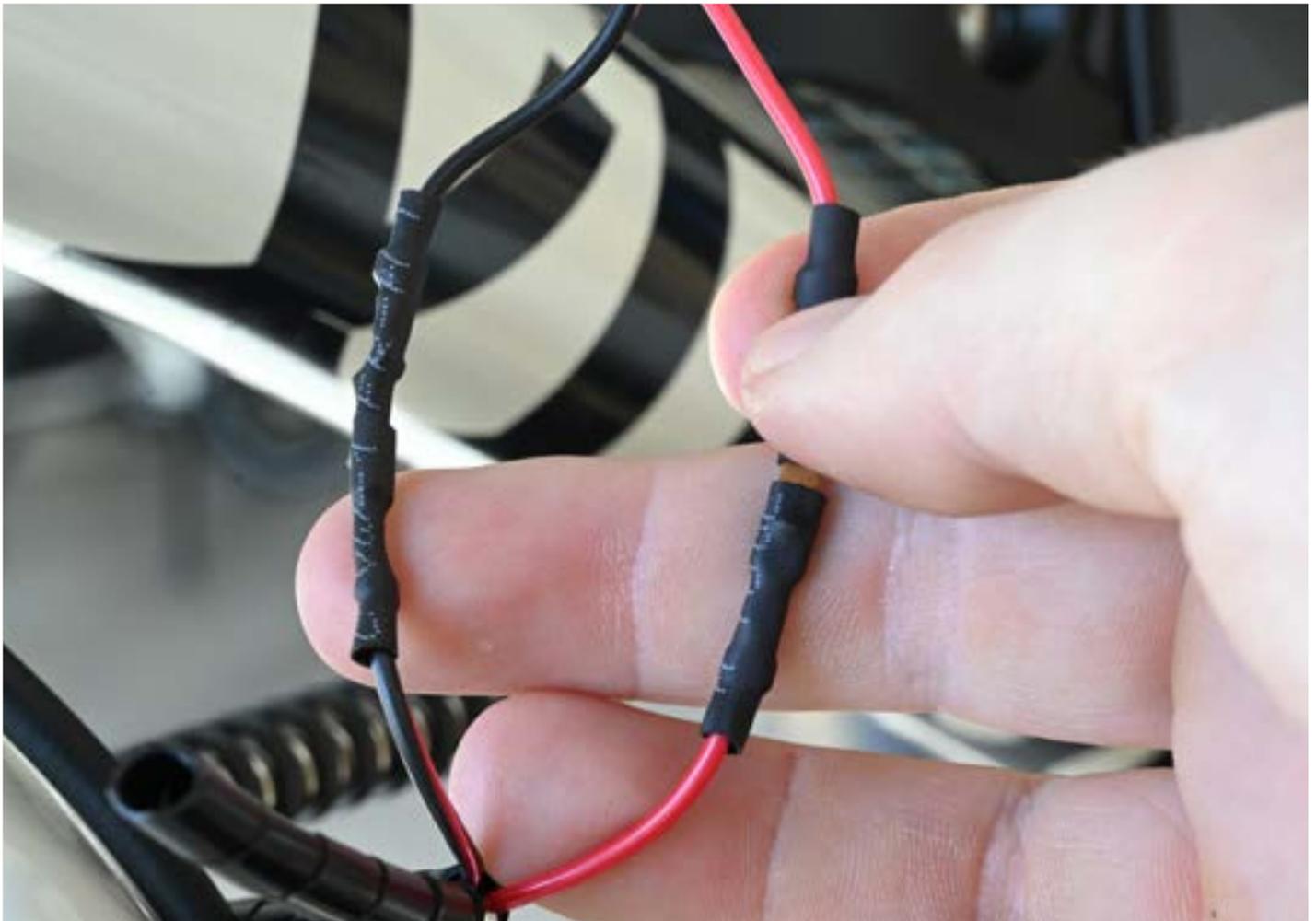


# ATTACHING FRONT LIGHT WIRES

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23

Connect the front light wires where they meet between the frame and the fender. Red to red and black to black.



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Adjust your light position angle that fits your riding needs best. Secure the two mount joints with a 4mm Allen.



# INSTALLING FRONT WHEEL

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Remove the disc brake-pad spacer.



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**26**

Remove the packaging from the front wheel.



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Double check that the drive side hub cap on your wheel isn't stuck to the plastic disc packaging.

\*If the hub cap is stuck, remove from the disc and press back in place on the hub.



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28

Rotate your front wheel into position. Be mindful to seat the disc brake rotor neatly between the brake pads.



When inserting the thru axle, be aware that the internal cylinder is aligned with bearings and hub caps. If you see that the internal cylinder is off, use a screwdriver or pen to align before inserting the thru axle.

\*This picture shows the internal cylinder out of alignment towards the bottom of the hub and with the drive side hub cap removed for illustrative purposes.



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Re-insert your thru-axel, and tighten with a 6 mm Allen wrench.



# INSTALL THE STABILIZER SPRING

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Locate the Stabilizer Spring and spring sleeve in the small parts box.



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**32**

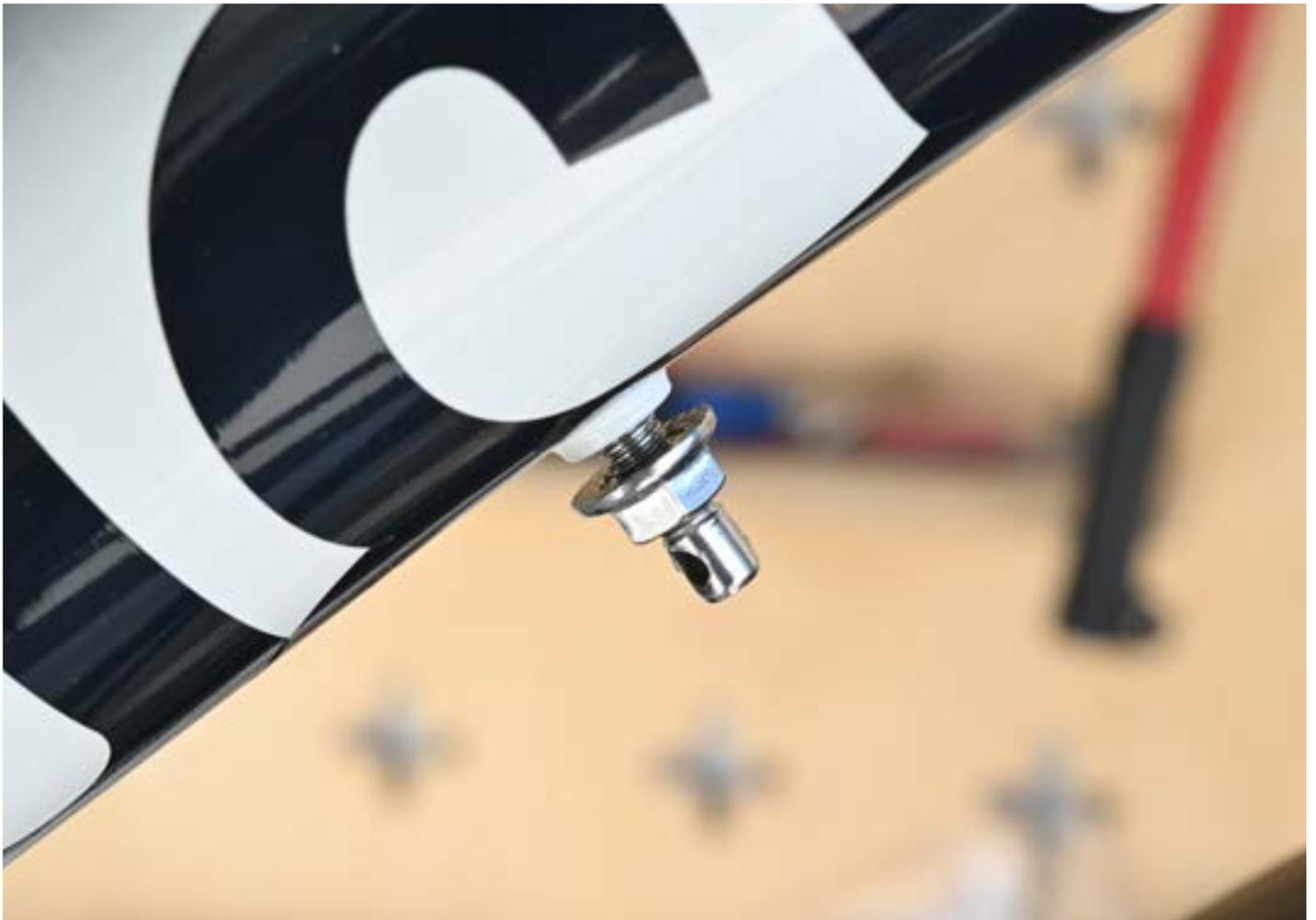
Remove the L-bracket from the eyelet bolt on the underside of the down tube with an 8mm box wrench.



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**33**

Reinsert the eyelet bolt and nut. Tighten down just before snug, so that the eyelet bolt can spin a little.



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**34**

Hook the Stabilizer Spring to the L-bracket on the fork.



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**35**

Use an Allen wrench or screwdriver to pull the other end through the eye-bolt.



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**36**

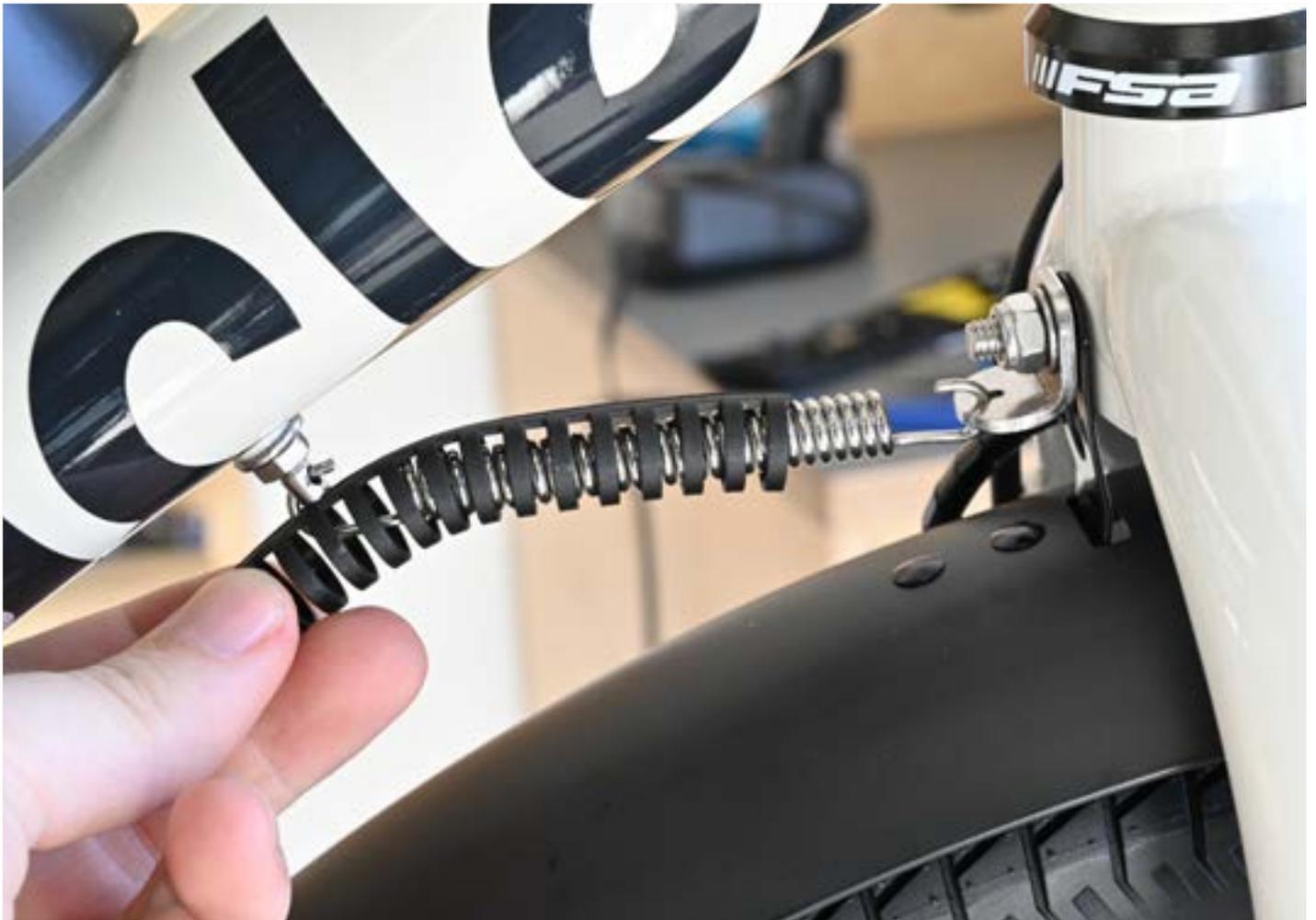
Tighten to snug the eyelet bolt nut with an 8mm bow wrench.



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**37**

Slide the spring sleeve over the Stabilizer Spring.



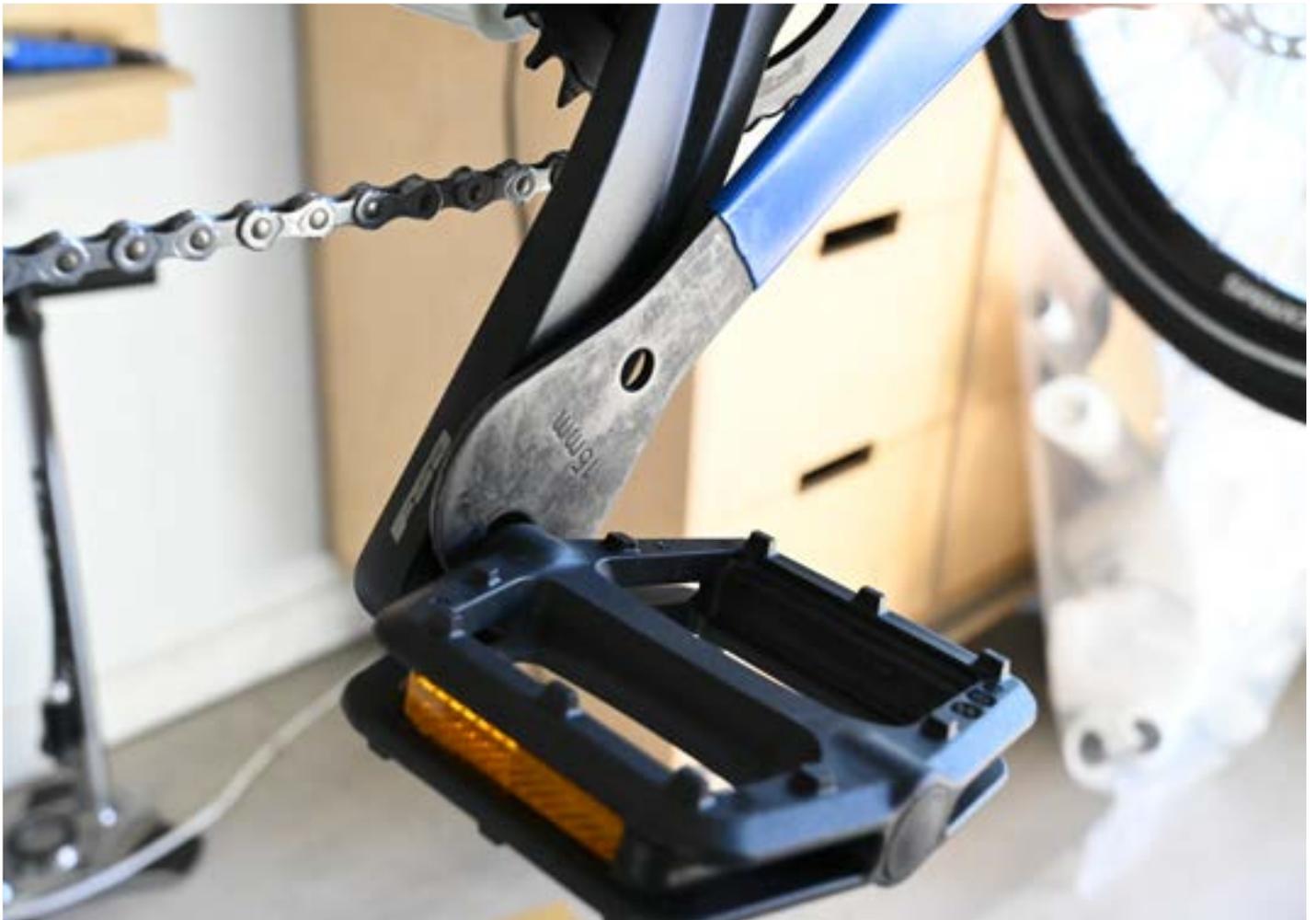
# INSTALLING PEDALS

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Use a 15mm pedal wrench and with the right pedal, start clockwise threading the pedal bolt into the crank arm. Once initially threaded you can backpedal while holding the pedal bolt in place. The left pedal has a reverse thread so you will need to turn the pedal bolt counter clockwise to tighten it.

\*Apply a small amount of grease to the threads on each pedal, marked Left and Right.



# INSTALLING STEM AND HANDLEBARS

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Remove your top cap and the cardboard spacer from fork steerer.



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Install your handlebar stem over the fork steerer with the handlebar oriented with the shifter on the right and display on the left.



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Insert and tighten the top cap to a quarter turn passed snug.



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Align the handlebars and stem with the front tire.



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## 43

Tighten the stem bolts equally, a turn or two at a time, until a half a turn passed snug. If you have a torque wrench tighten to 5-7nm.



# CONNECTING E-SYSTEM

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Use the provided Shimano lead-connector tool from the small parts box to insert the display cable into the small port under the display. You should feel a securing click when the connection is made.



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**45**

Reinstall your battery by sliding it into the cradle and rotating towards the bike frame until it clicks into place.

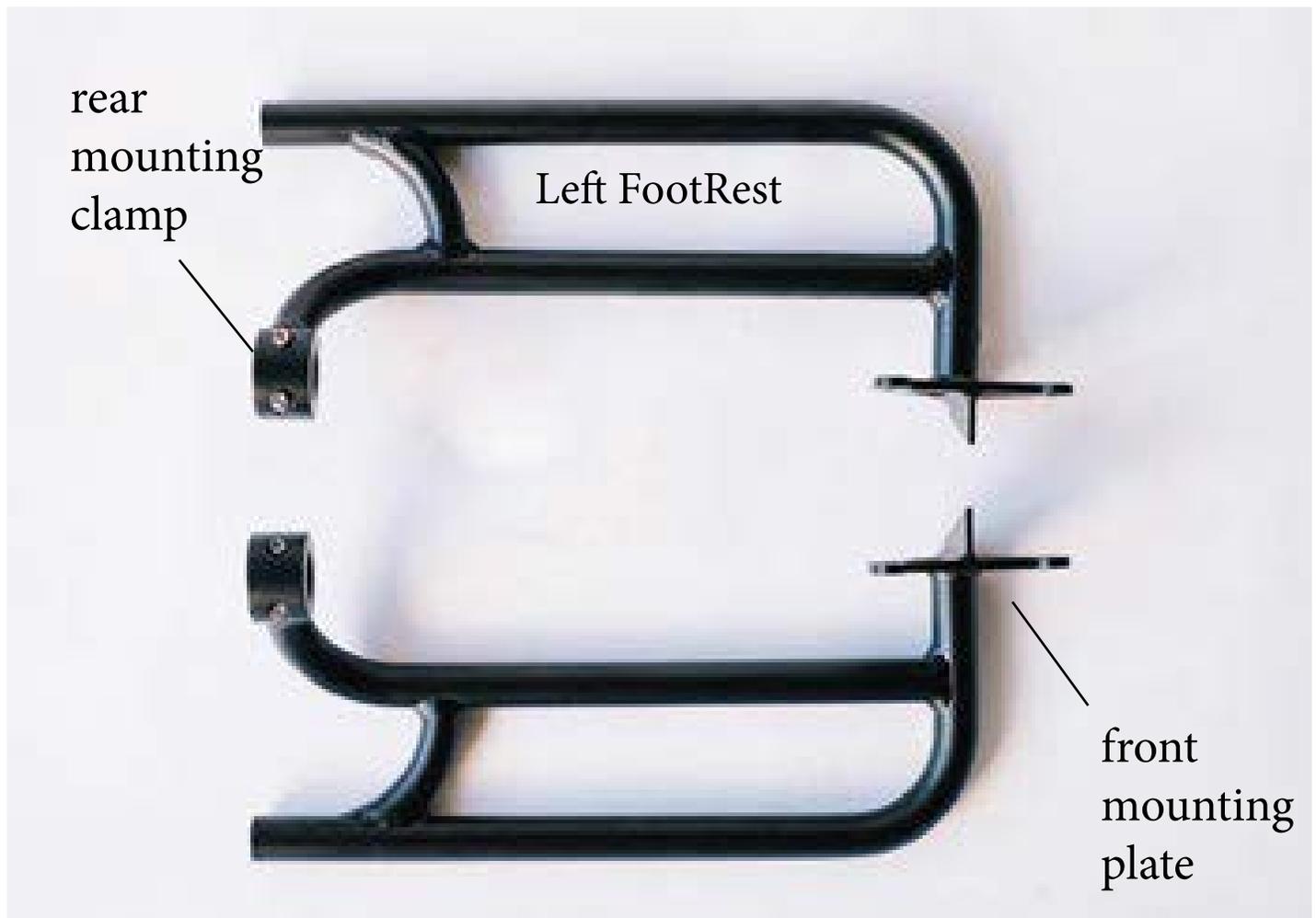


# INSTALL THE RFA FOOTRESTS

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Pick the RFA FootRest that corresponds to the side of the bike you are installing it on first. The flat plate is installed on the bike frame towards the front of the bike and the clamping ring is installed around the UtilityRack toward the rear of the bike.



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**47**

Using a 4 mm Allen wrench, remove the top of the clamp located on the back end of the FootRest. Keep the top of the clamp and the hardware nearby.



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**48**

Remove the WheelSkirts.

Locate the installation front threads on the bike frame.



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## 49

Position the FootRest on the bike and loosely thread the two 8 mm bolts through the front mounting plate and into the threads on the frame.

When both bolts are loosely in, tighten them all the way tight.



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## 50

Attach the top portion of the rear clamp over the bottom rail of the UtilityRack. Loosely thread two 4 mm bolts with washers into the top of the clamp.

Once both bolts are threaded in, alternate between each until just snug. Do not over tighten.



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Reattach the RFA WheelSkirts.

The RFA assembly is complete and you are ready to ride!



Looking to install additional accessories  
on your RFA?

Please refer to the following page on the Xtracycle  
website for links to additional installation manuals:

<https://www.xtracycle.com/product-manuals>

