RFA

XTRACYCLE®

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SPORT Mode

UTILITY Mode

Included

You'll receive the RFA in one box and will receive additional boxes for the rear rack and accessories.

The following items will be included in the RFA box and will not be installed on the bike: pedals, headset, headset spaces, stem and seat post, handlebars (with brake levers, shifters and Bosch display already mounted), front brake caliper, chain, handlebar stabilizer, fork, star nut, front wheel, front brake rotor, front and rear e-bike specific lights, crank arms and bolts, reflectors, saddle, Bosch charger, Bosch spoke magnet, speed sensor mounting kit, and Ursus kickstand hardware.

This first production run of 25 RFAs has a few quirks we'd like to address as they are released out into the wild. Feedback and suggestions are welcome for future production runs and will help us and the Xtracycle community at large during this initial production roll-out. Please review the following information before building your RFA.

* * * If you would, please ask your mechanic to take out a sheet of paper and write down any thoughts, suggestions, questions and/or concerns. The most helpful feedbackers will be rewarded!

Serial number

Serial numbers on these bikes are located on a sticker on the INSIDE of the Drive Unit Node (obscured from view once the Drive Unit has been installed). DO NOT IMMEDIATELY THROW AWAY THE BIKE BOX. Serial numbers are also found on the bike box under the uppermost bar code, next to "Frame No." and will begin with "J19..."

Chain / Bike Length

The RFA will ship in the shorter Sport mode but will include enough chain for the longer Utility mode. Shorten the chain by 9 links if you are converting it to the shorter Sport mode. If you decide to switch back to the long Utility mode (or plan to switch between the two modes often), we've found that running two Quick Links on the chain at either end of the section of the 9 removable links works well.

Steer Tube and Star Nut

We recommend keeping the steer tube as tall as possible to achieve an upright and in-control riding position. In addition, the star nut will not come pre-installed in the fork steerer. You will find it in the parts box along with the other headset parts.

Brake Spec

The first 25 production RFAs will come spec'd with Deore M6000 level hydraulic brakes. In future production runs, you'll see the newer model Shimano BR-MT401s in their place.

Position of Single Battery

On RFAs equipped with a single battery, we chose the rear mounting position, just behind the seat tube. We chose this position specifically for better weight distribution, as well as to save mechanics an extra step if you decide to add a second battery in the future. Second batteries should be installed on the down tube.

Cable length

It may appear that the rear housing is too short. There is plenty of housing – you have to pull out the slack. This may require cutting zip ties.

Handlebar Cables

To organize the variouses cables leading from the handlebars down to the frame, guide them through the open space between the head tube and the back of the PorterRack, in between the silver PorterPack installatino spacers.

Remove the packaging. Install the fork, headset, stem, handlebar, front light, front brake, front brake rotor and front wheel. Adjust as necessary.

Set the bike length: Utility mode or Sport mode. If setting to Sport mode...

a. Remove the rear wheel.
b. Mount the Bosch speed sensor directly onto the chainstay using the T20 Torx bolt (pictured below).
c. Remove 9 links from the chain. These will not be needed for Sport mode but you might want to save them in case you decide to reconfigure the RFA into Utility mode later.
d. Reinsert the rear wheel. After reinserting the wheel, check the dropout and brake caliper alignment. Ensure that the spoke sensor is reading the spoke magnet.
e. Install the chain.

2A (Sport)

If setting to Utility mode...

a. Remove rear wheel.

b. Remove the Dropout Insert and place in it in the furthest rear position.
   Apply grease as needed.

c. Invert Dropout Insert Hardware and Slide Lock Plate into the furthest rear position.
   Bolt A goes into slot 6, Bolt B goes in slot 5 and Bolt C goes in slot 4.
   It is possible the install the Dropout Insert in several positions in these Slide
   Lock Plate. Notice how the number 6 and 5 are placed in the diagram below.
   This is where the bolts should be positioned - all the way back against the back
   of these oval slots in the Slide Lock Plate.

d. Installing the bolts in the correct position to ensure that the Slide Lock Plate is eng
   aged and the prevent misalignment while riding.

2B (Utility)

2C (Utility)

(This is what the Dropout Insert and Slide Lock Plate look like when installed in Utility mode.)

e. Attach the Bosch Speed Sensor to the speed sensor mounting bracket. Take note that
   there are wire guides welded to the frame to hold the wires. Mount the
   complete speed sensor assembly to the only threaded hole on the bottom of the
   non-drive side chainstay using a 4mm Allen wrench.

f. Reinsert the rear wheel. After reinserting the wheel, check the dropout and
   brake caliper alignment. Ensure that the spoke sensor is reading the spoke magnet.

2e (Utility)

Install cranks and pedals.
Adjust derailleur and rear brake.

Prior to installation of the rear MultiRack:

a. Install fenders (if applicable).
b. Install Hooptie or SnackBar Brackets onto the MultiRack (if applicable).

Install the rear MultiRack.

Install the rear MultiRack using a 6mm Allen wrench and 4 bolts.
Mounting procedures for the Sport MultiRack and Utility MultiRack are identical.

Install the rear light.

Take note that there are wire guides welded to the frame to hold the wires.

If in Utility mode, install the RFA WheelSkirts, SlingSet or CargoBay (if applicable).

On the lower straps, make sure not to wrap the straps around the derailleur cable.

Install the Ursus kickstand.

The hardware for this kickstand is in a small parts box. It comes with the plate, bolt, and convex washer.

Flash the e-bike.

Flash the bike using the IBD dongle to upload the latest Bosch software.

YOU'RE DONE!

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