

XTRACYCLE

RFA Utility to Sport Conversion Guide

updated 10.26.2020



Removing the Tail Light and Utility Rack



- Remove the two M4 lock nuts securing the tail light using a 8mm wrench
- Unclip the tail light cable and set the tail light aside



- Remove the tail light cable from the Utility Rack and rear frame, snipping any zip ties holding it in place



- Remove any soft goods attached to the Utility Rack
- Remove the four bolts securing the Utility Rack using a 5mm Allen key



- Remove the Utility Rack and save for a future conversion back to Utility mode

Moving the Rear Wheel Drop-Outs



- Locate the quick link on the chain and disconnect
- Remove the chain and set aside



- Remove the rear wheel

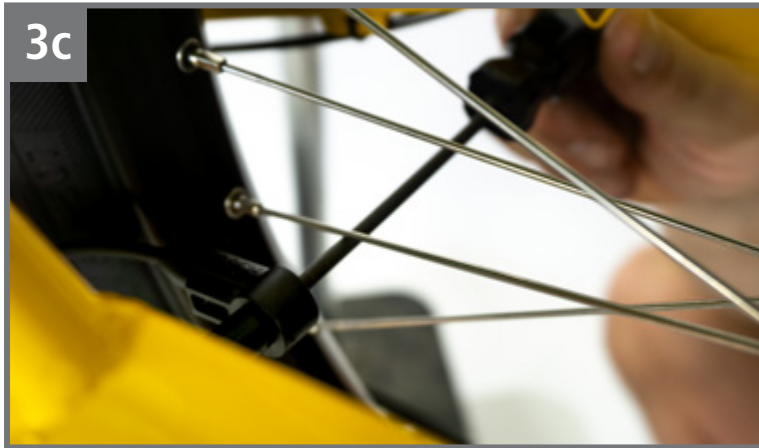


- Remove three bolts holding the dynamic dropout insert and locking plate and be mindful of the bolt positions



- Move the insert to the forward dropout mounting position
- Replace the three bolts and locking plate, torquing to 20Nm, and repeat for the other side
- Pull excess cable slack toward front of bike

Moving the Speed Sensor



- Remove the cap to the speed sensor
- Remove the speed sensor bolt with a T-30 star bit



- Unscrew the M5x20mm bolt holding the speed sensor post to the frame with a 4mm Allen key
- Save the speed sensor post for a future conversion back to Utility mode



- Remount the speed sensor directly to the frame in the forward position with a T-30 star bit
- Feed excess cabling into the drive housing and coil and zip-tie as needed

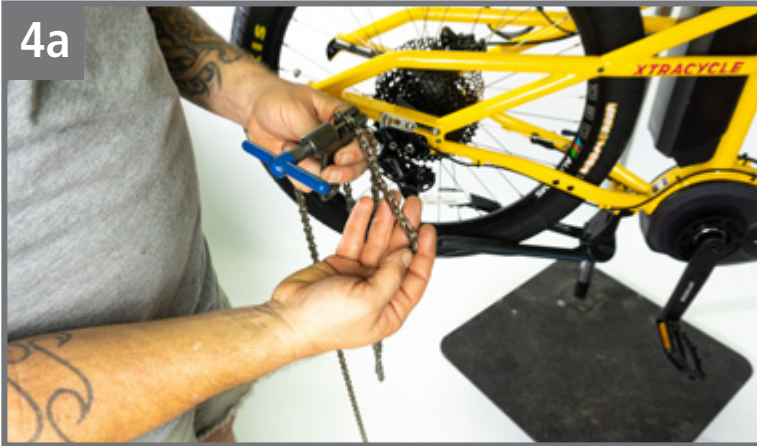


- Replace rear wheel and position sensor magnet on spoke opposite air valve and align with the sensor
- Apply blue Loctite or comparable threadlocker and secure with a Phillips head screwdriver, tightening to 1nM

STEP 4

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Shorten and Re-Install Chain



- For Speed drives remove 11 links from chain; for CX or Performance drives remove 9 links
- Save the removed links for a future conversion back to Utility mode



- Feed the chain back through the derailleur



- Reconnect the chain with the quick link



- Engage the clutch

Installing the Sport Rack and Tail Light



- Align the front of the Sport Rack with the forward rack mounting position where the rear cross braces meet
- Loosely thread the front bolts on either side of the bike



- Lower the rear of the rack in line with the rear mounting points and thread the bolts through the lower slotted holes
- Torque all four bolts to 30Nm with a 5mm Allen key



- Feed the tail light cable along the inside of the non-drive side of the rack and use small zip ties to secure it in place



- Clip the end of the tail light cable into the tail light
- Align the two tail light mounting posts to the rear of the rack and secure them with the two M4 lock nuts using a 8mm wrench

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