



Gen 1 XCX+ rear hub - 142x12 axle install and removal

XCX+ rear hub service guide

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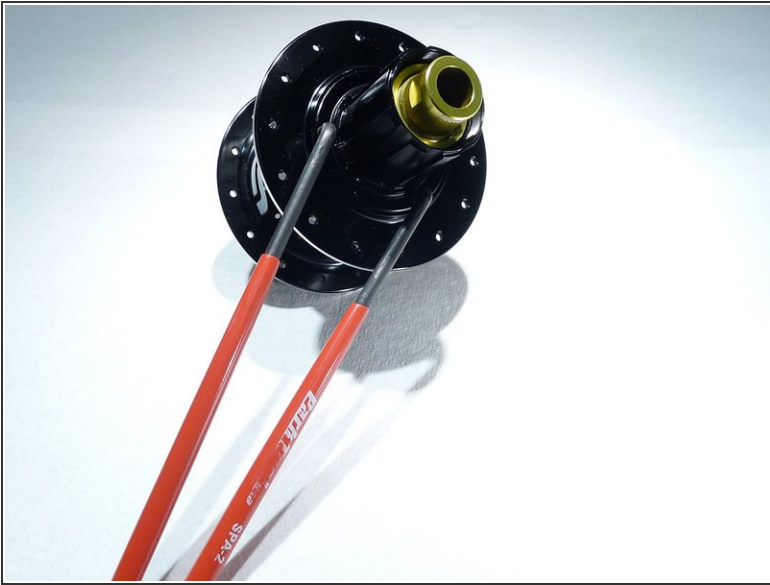
**TOOLS:**

- 18mm cone wrench (1)
- Pin spanner (1)

**PARTS:**

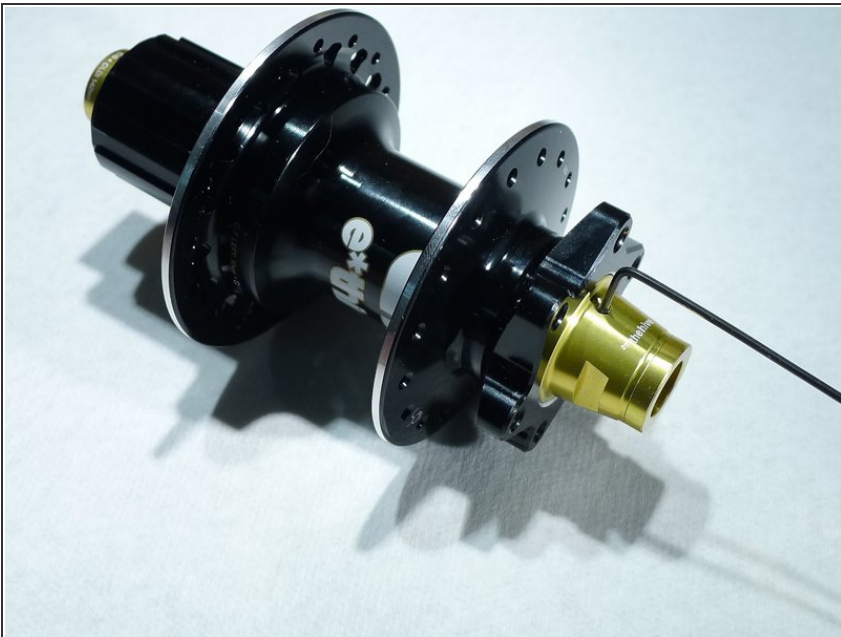
- grease (1)
- medium strength threadlocker (1)

Step 1 — Gen 1 XCX+ rear hub - 142x12 axle install and removal



- Remove freehub lockring by turning counter clockwise with pin spanner

Step 2



- Loosen both 1.5mm grub screws on non-drive side endcap

Step 3



- Loosen hub by turning non-drive endcap clockwise
- Use cone wrenches as needed, but often this can be done by hand
- Remove the non-drive endcap

Step 4



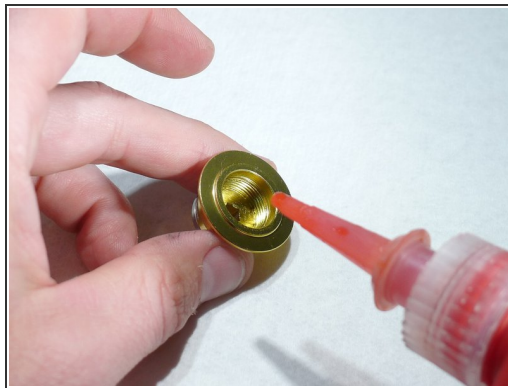
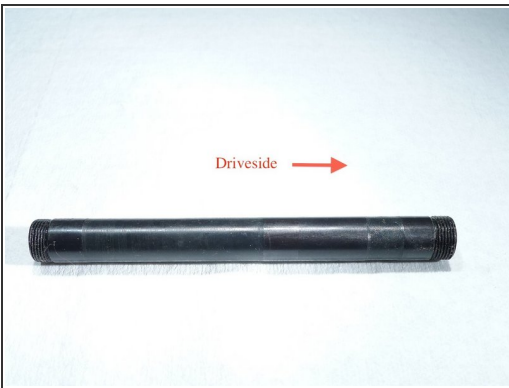
- Slide axle and freehub assembly out of hub shell
- Be careful not to lose the pawls as they may fall while removing the freehub body

Step 5



- At this point the hub is most of the way apart, you can service bearings, replace worn parts or just clean things up
- Next, Let's install the axle

Step 6



- Install drive side endcap onto the axle
- Put two drops of high strength thread locker on endcap threads
- Torque to 6nm using an axle vise to hold the axle

Step 7



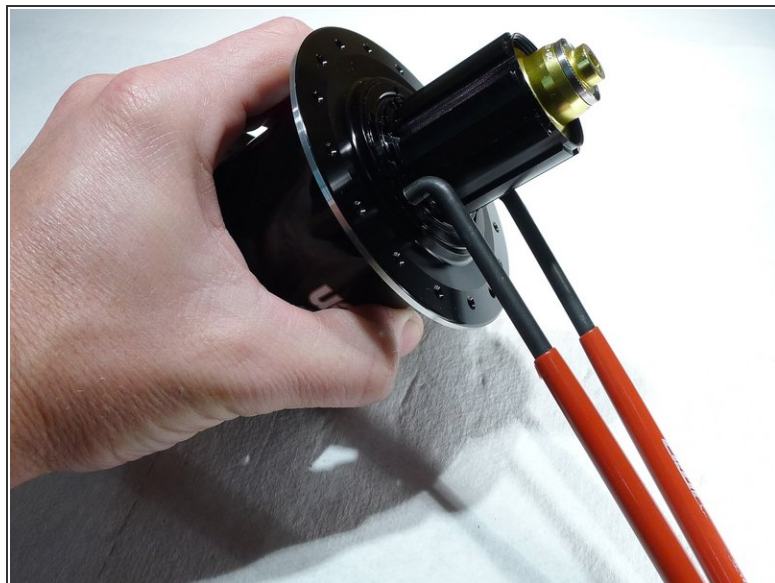
- Lightly grease steel axle
- Slide freehub body onto the drive-side of the axle

Step 8



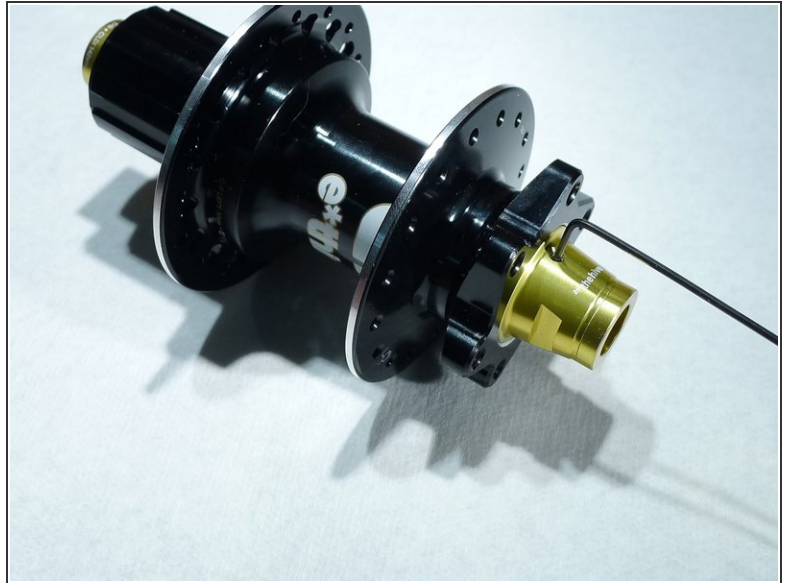
- Slide the axle and freehub assembly into the hub shell
- Turn freehub counterclockwise so that the pawls compress the springs and slide into the hub
- You may need to use a tool to lightly depress the pawls as you turn the hub
- Learn how to lube the freehub properly using the [freehub service instructions](#)

Step 9



- install the freehub seal lockring
- Tighten to snug

Step 10



- Lightly grease non-drive endcap threads
- Install non-drive endcap
- Note that the endcap has a left hand thread so turn counter clockwise to tighten
- Tighten the endcap so the bearings no longer have play in them, but such that they also do not have excess drag
- Tighten both 1.5mm screws on the non-drive endcap

Thanks for reading, now get out there and ride!