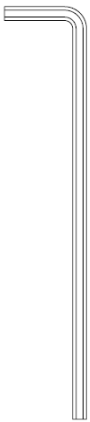
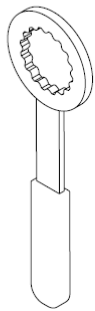
Replacing the torque sensor on Evie S1 and T1

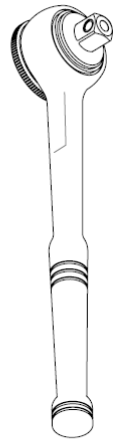
Tools



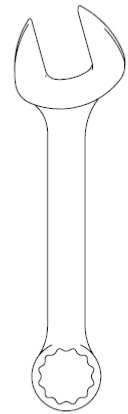
8mm Allen Key



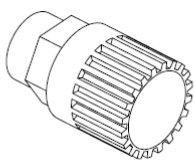
Bottom bracket wrench



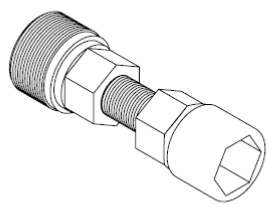
1/2 inch socket wrench



16mm wrench

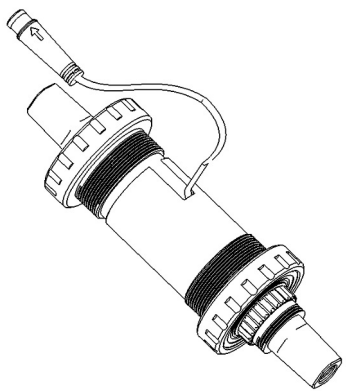


Lockring tool



Crank puller tool

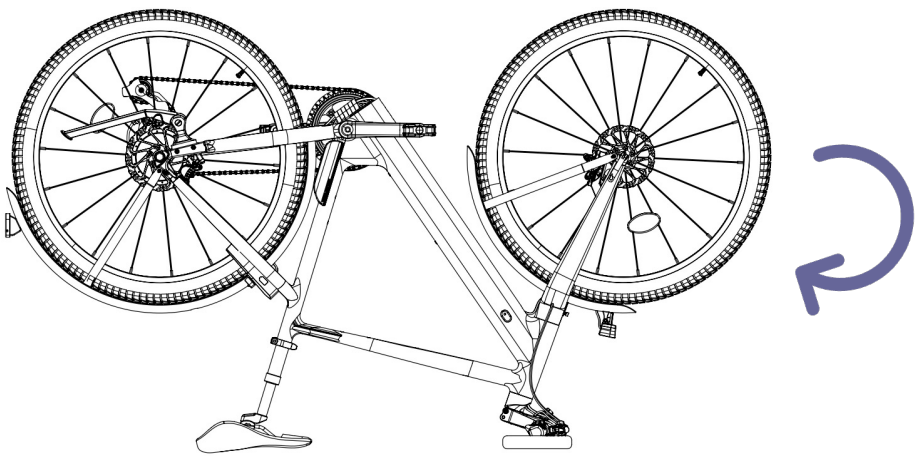
Components



New Torque Sensor

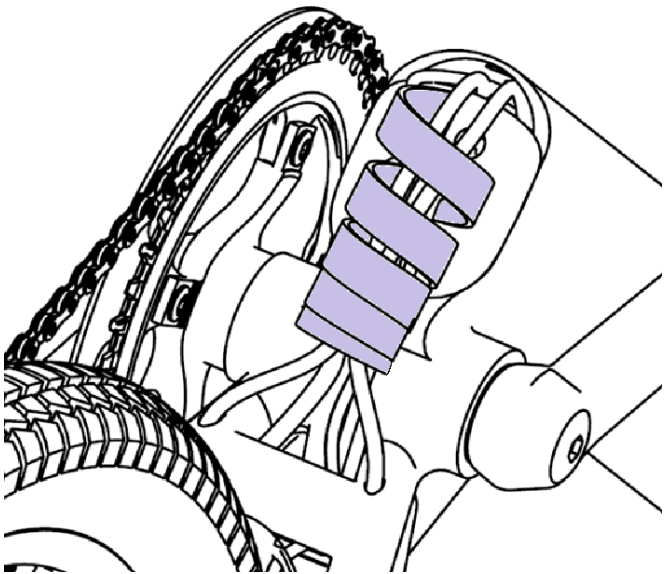
Step 1

Flip the bicycle upside down with soft padding on the display.



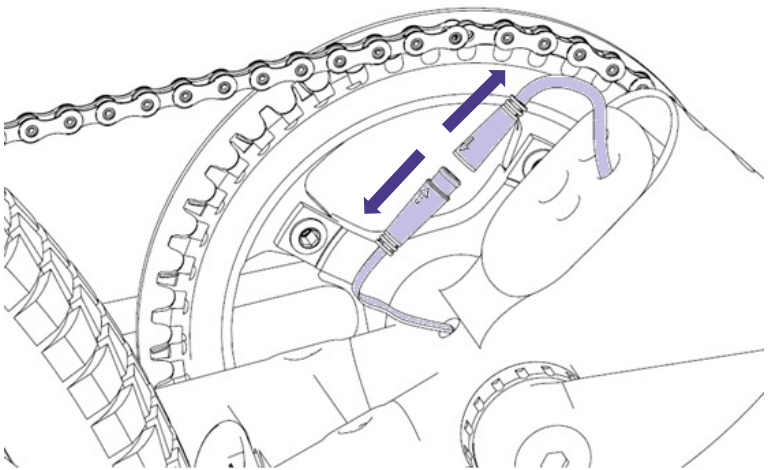
Step 2

Take off spiral cable wrap at the bottom part of the frame.



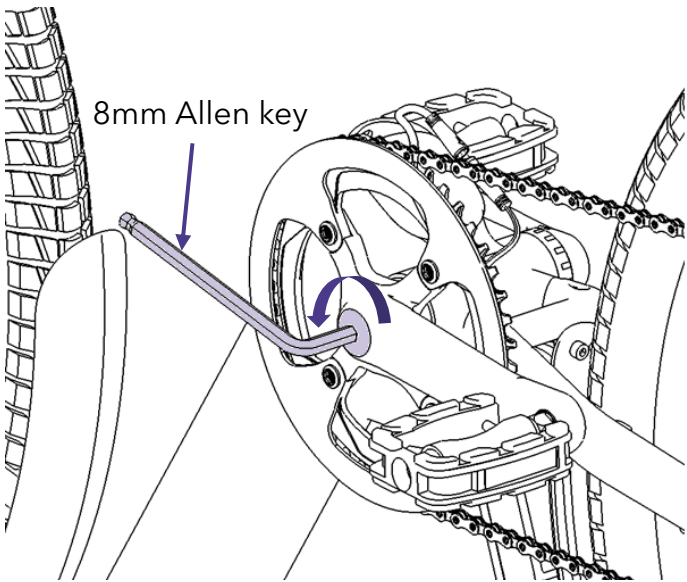
Step 3

Gently unplug the torque sensor connector.



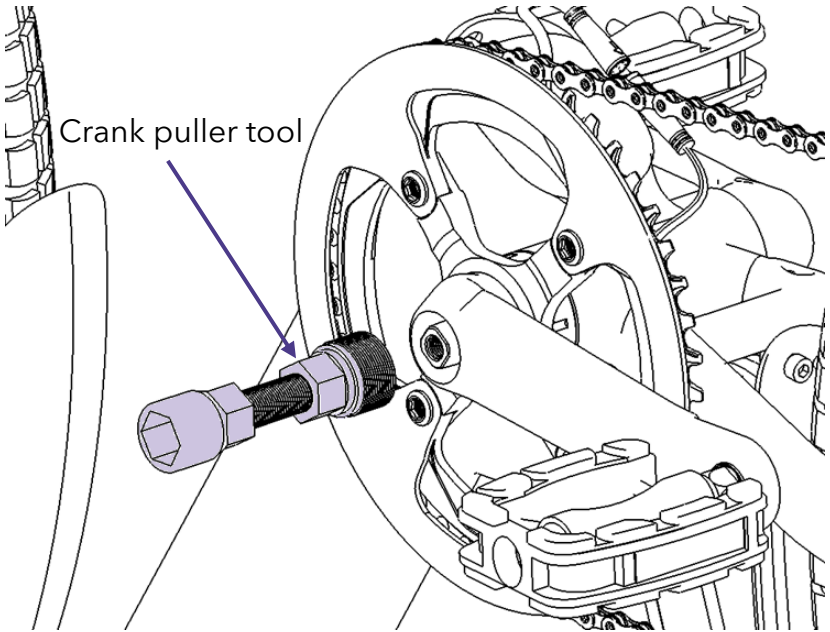
Step 4

Use 8mm Allen key to remove the left and right crank bolt.

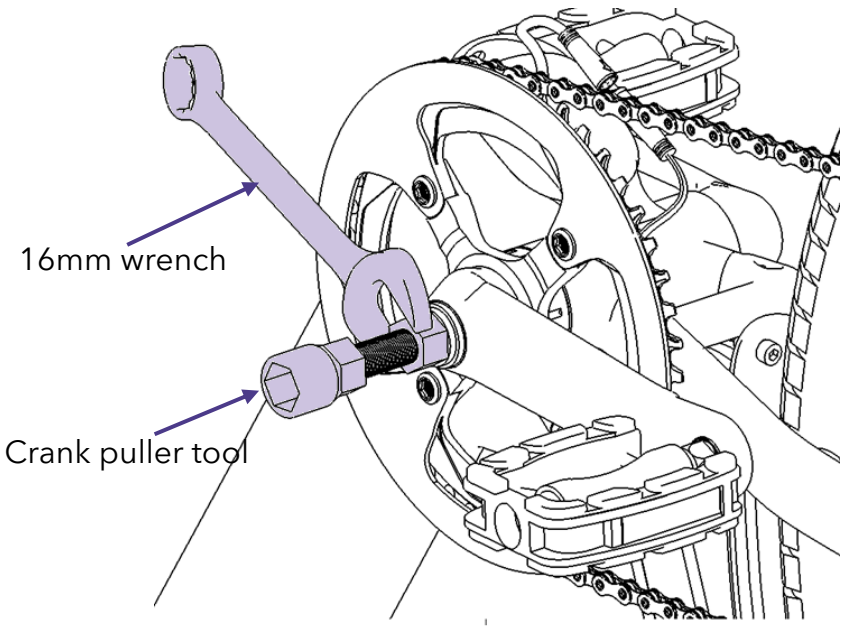


Step 5.1

Use 16mm wrench to thread the crank puller tool into the crank arm completely.

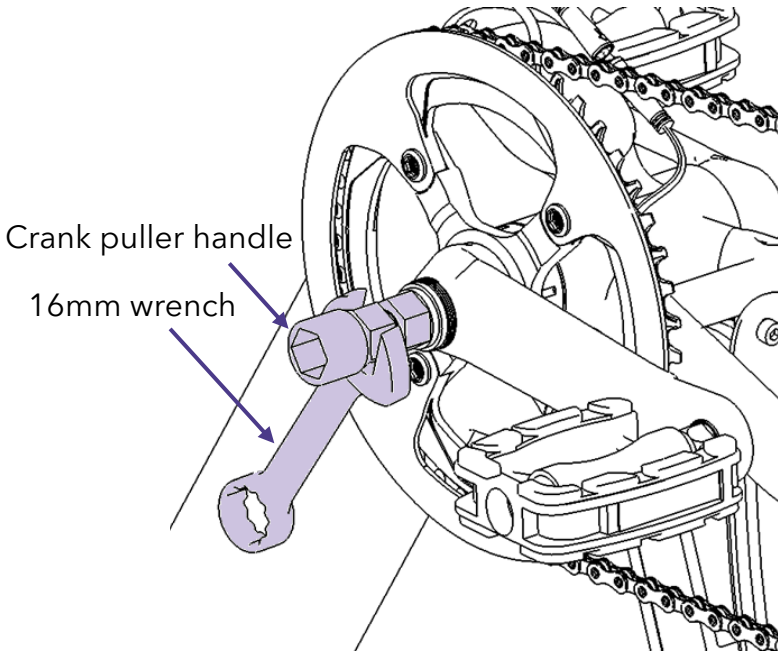


Step 5.2

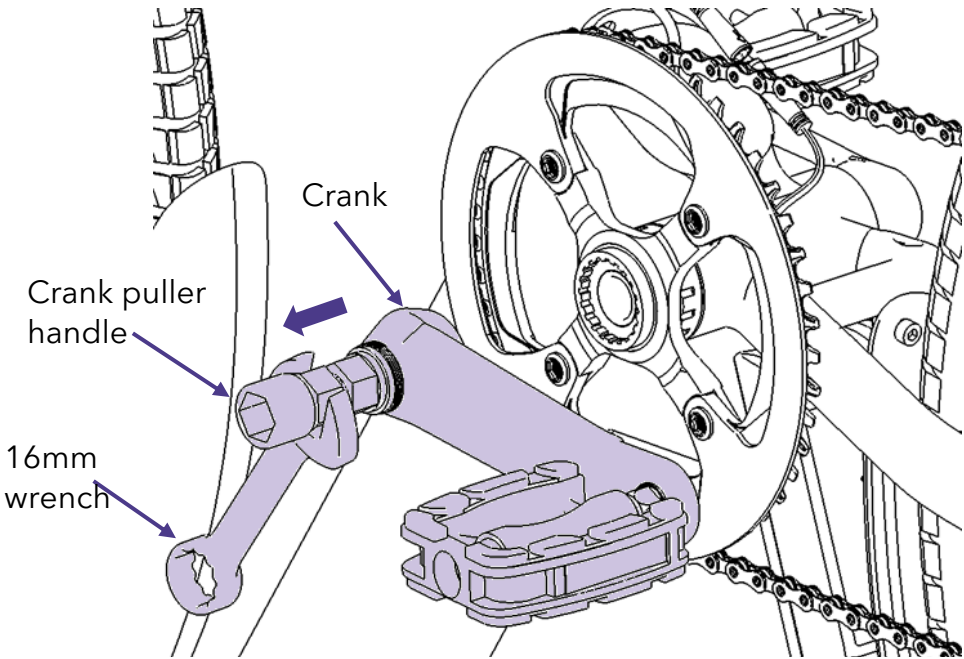


Step 6.1

While holding the crank arm in place, turn the crank puller handle with the 16mm wrench clockwise until the crank arm is removed.



Step 6.2



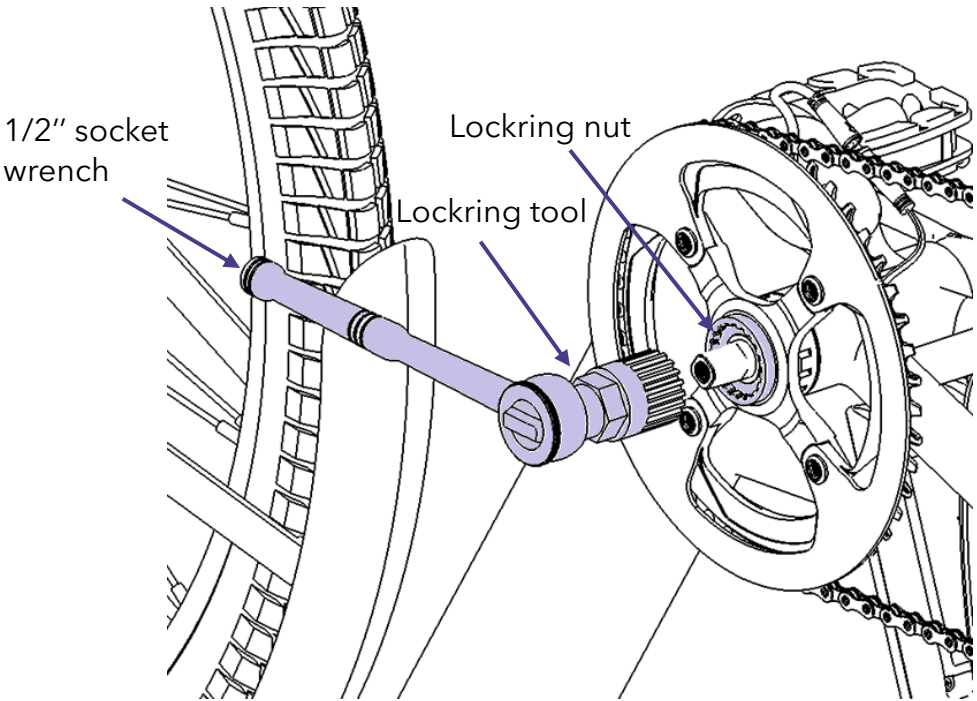
Step 7

Unthread the crank puller and repeat the process for the opposite crank arm.

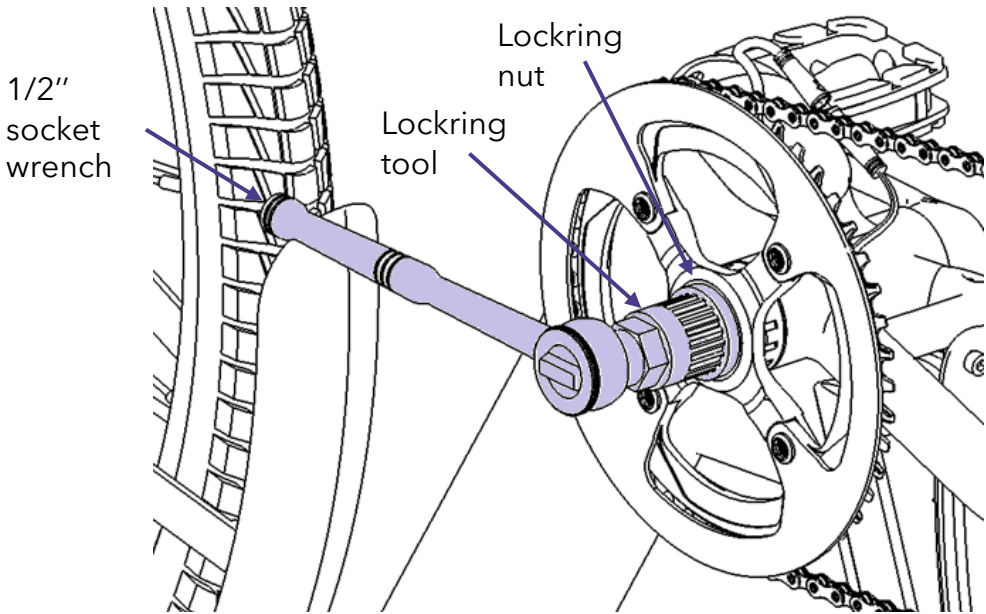
Do not have graphics since the same process as step 4 – step 6 but for the opposite crank arm.

Step 8.1

Use lockring tool with socket wrench to remove the lockring nut at the chain ring. (Turn clockwise to loosen the lockring nut)

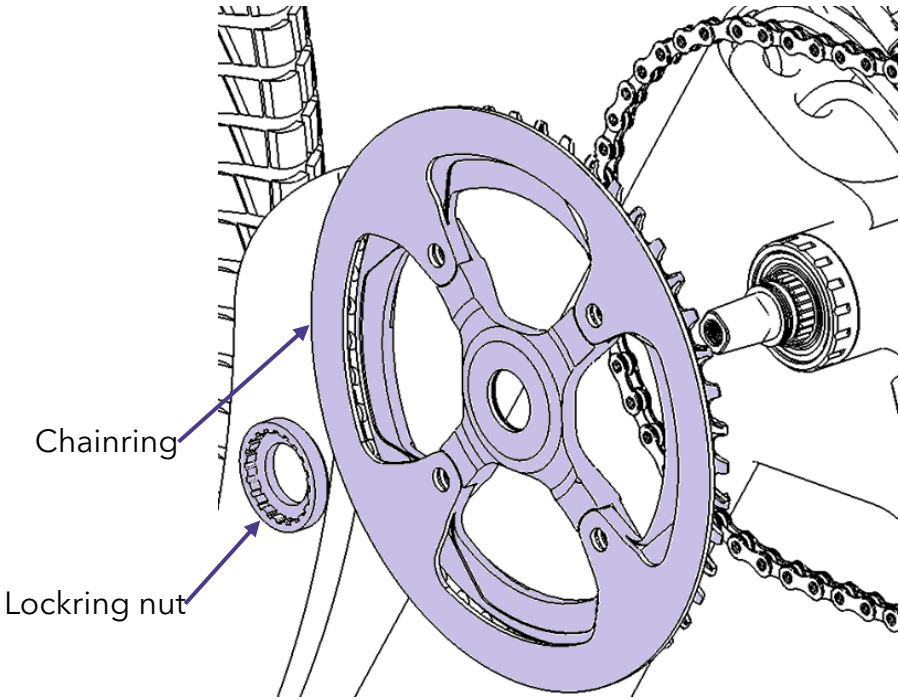


Step 8.2



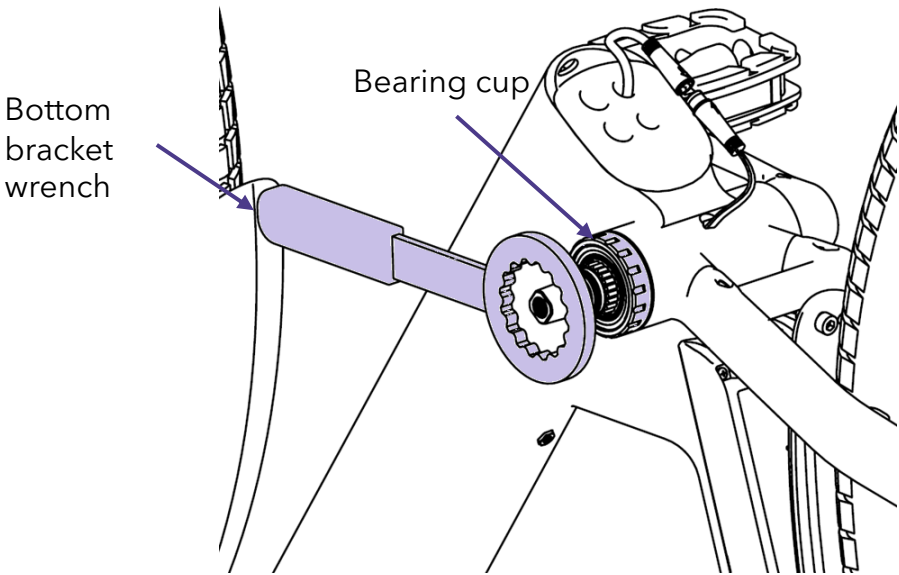
Step 9

Remove the chain ring and lockring nut.

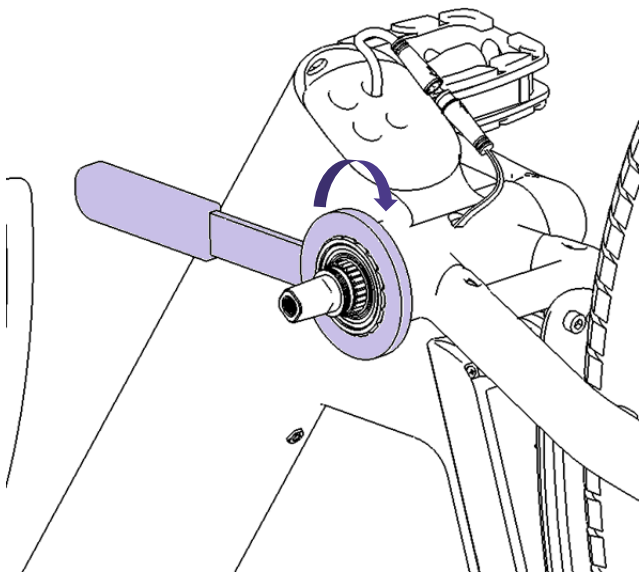


Step 10.1

Using bottom bracket wrench to loosen the bearing cup(non-fixed) on chain ring side while feeding the torque sensor cable out from the controller compartment. (Turn clockwise to loosen the bearing cup)(This bearing cup is attached to the torque sensor)

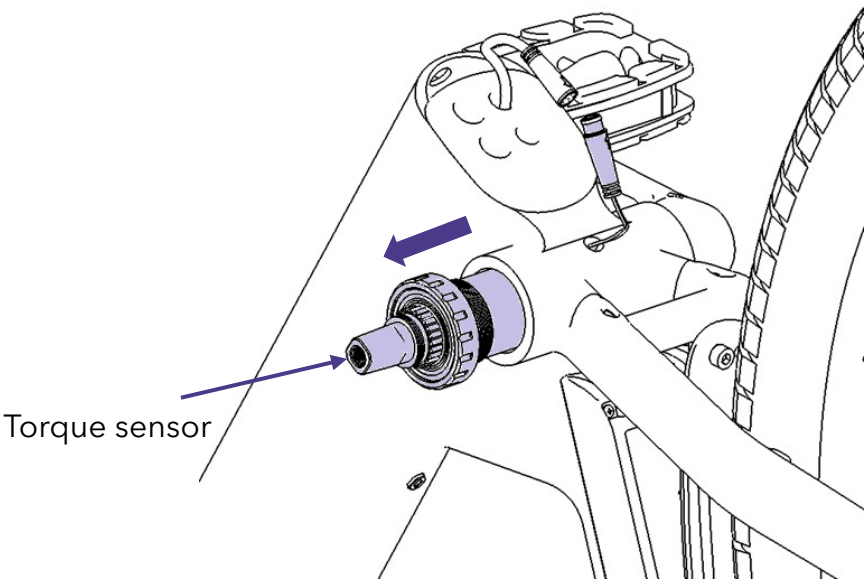


Step 10.2



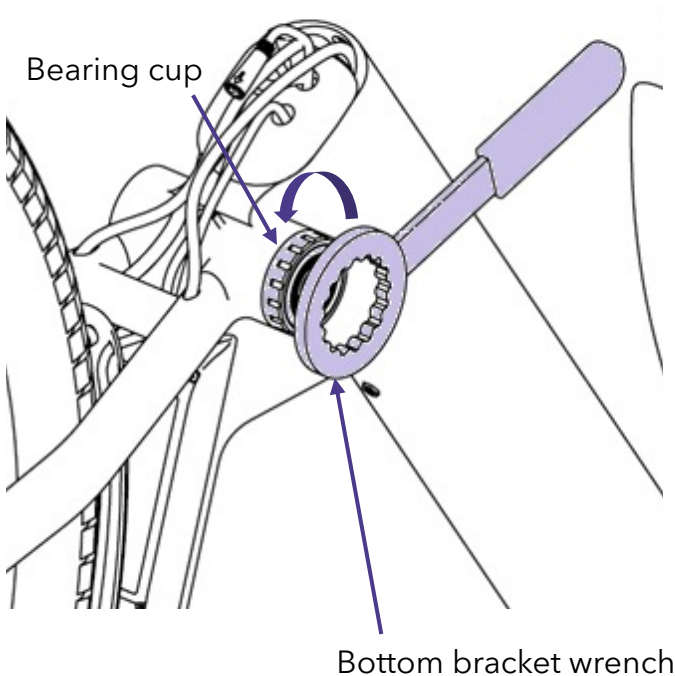
Step 11

Carefully remove the torque sensor out of the shell while feeding the torque sensor cable from the controller compartment.



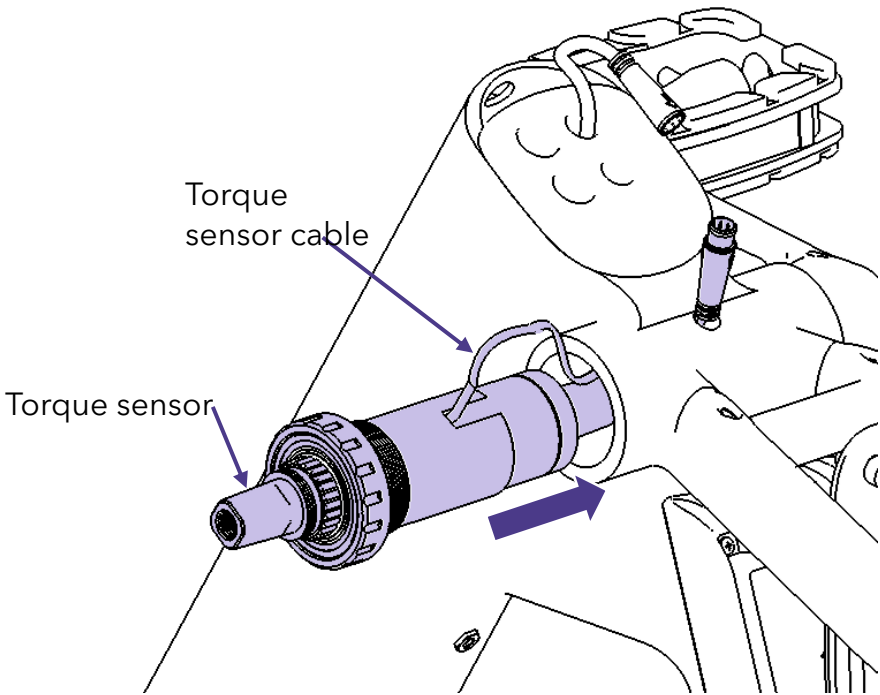
Step 12

Using bottom bracket wrench to remove the bearing cup (fixed) on the other side and install new bearing cup. (This bearing cup does not attached to the torque sensor)



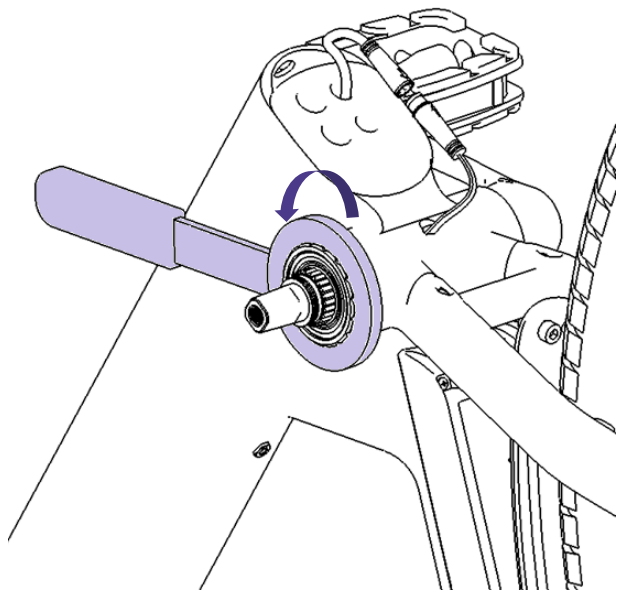
Step 13

Feed the new torque sensor cable through the hole and carefully place the new torque sensor into the shell.



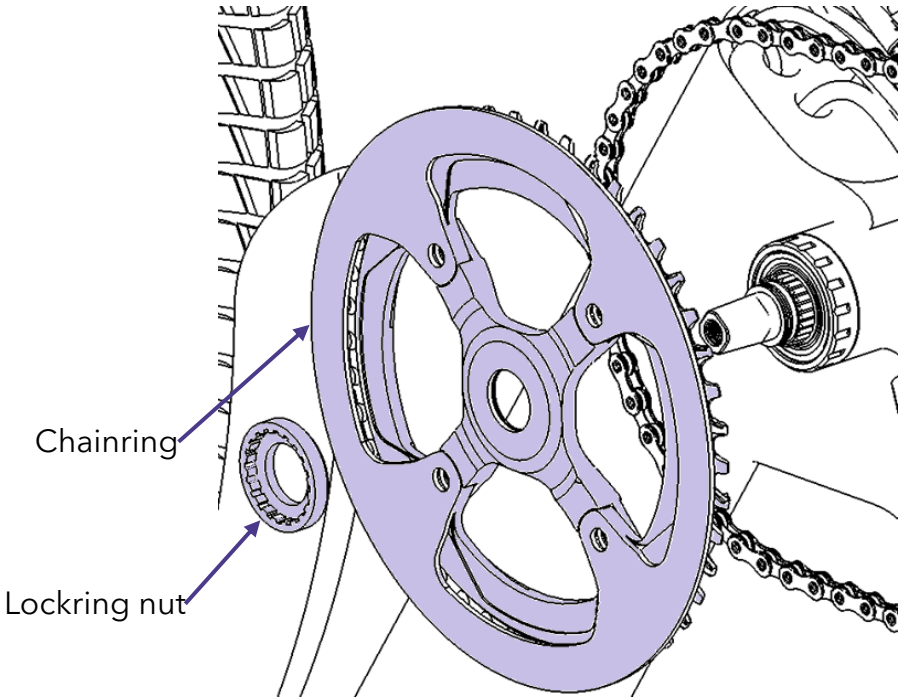
Step 14

Using bottom bracket wrench to tighten the bearing cup (non-fixed) on the chain ring side.



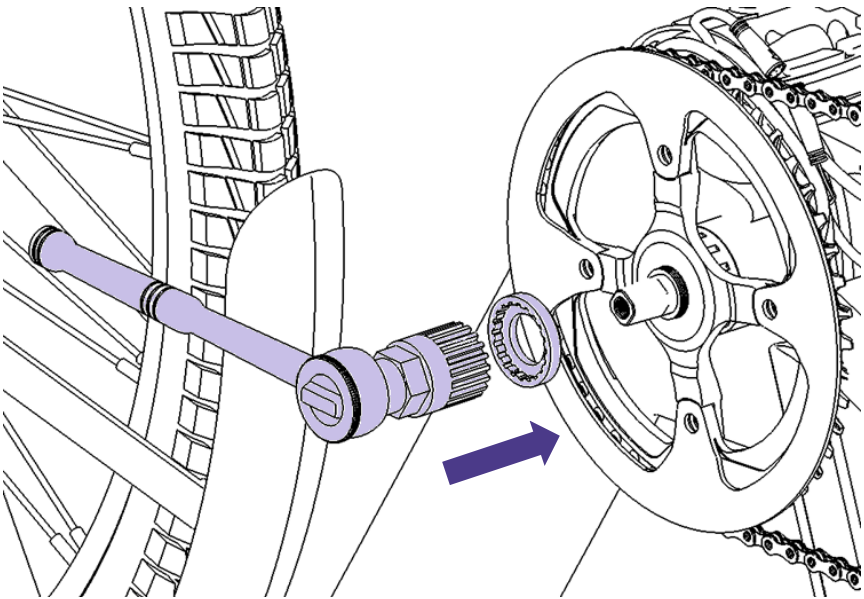
Step 15

Install back the chainring.

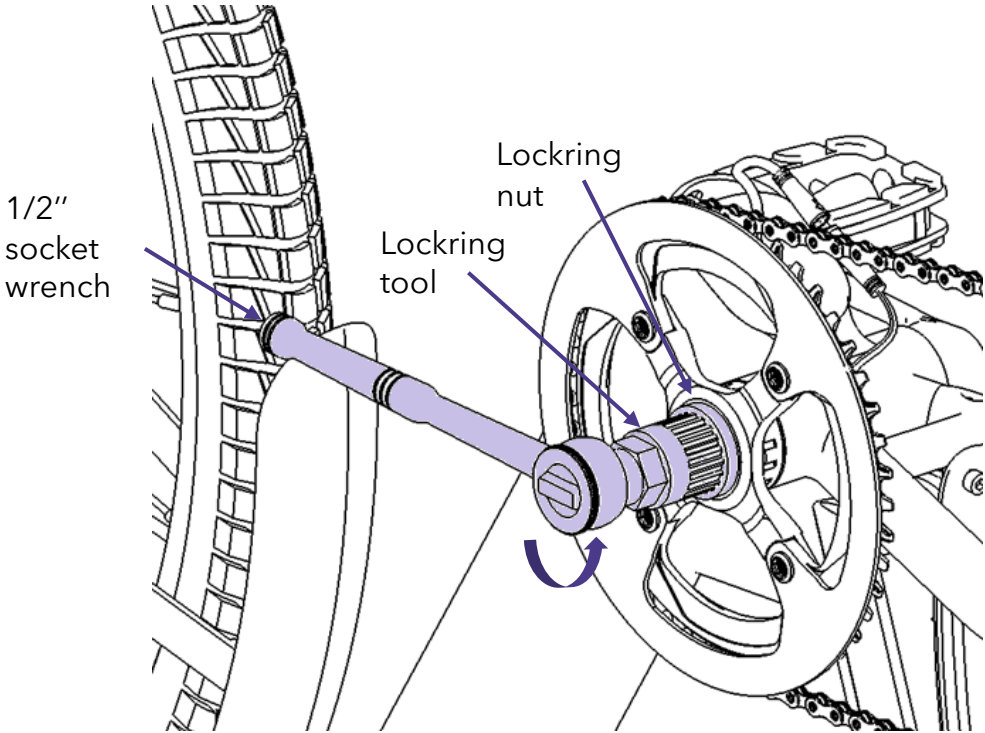


Step 16.1

Use the lockring tool with socket wrench to install back the lockring nut.

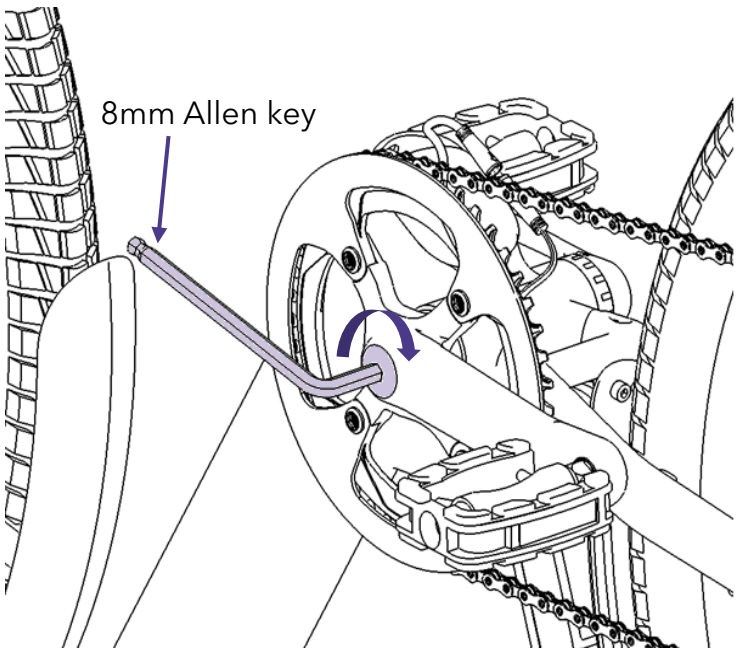


Step 16.2



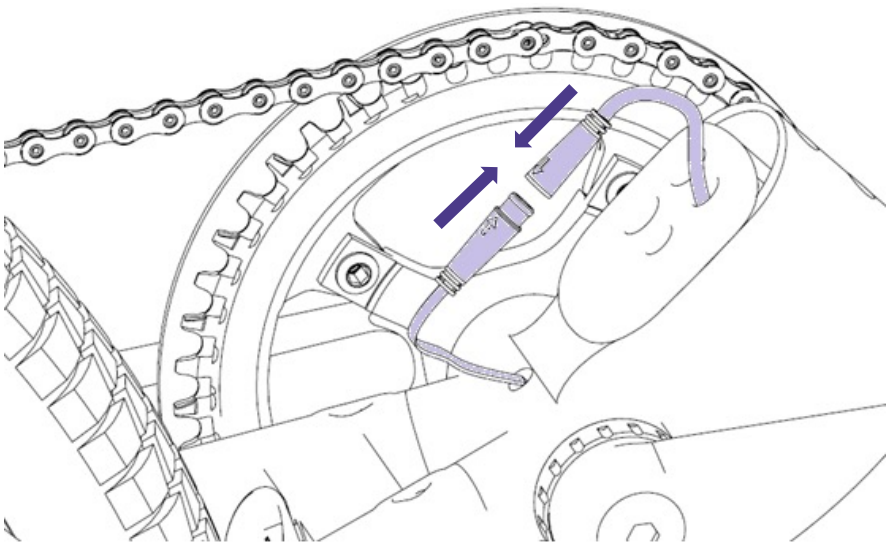
Step 17

Use 8mm Allen key to install back both left and right crank bolts.



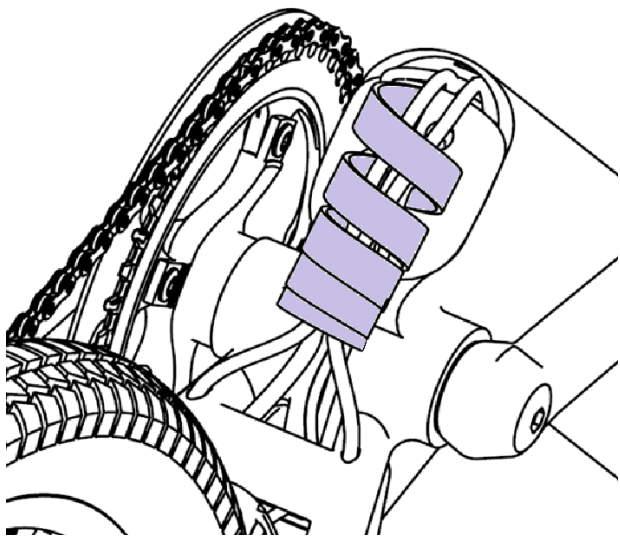
Step 18

Plug in the new torque sensor connector.



Step 19

Place back the spiral cable wrap at the bottom part of the frame.



Step 21

Flip back the bicycle to the normal upright position.