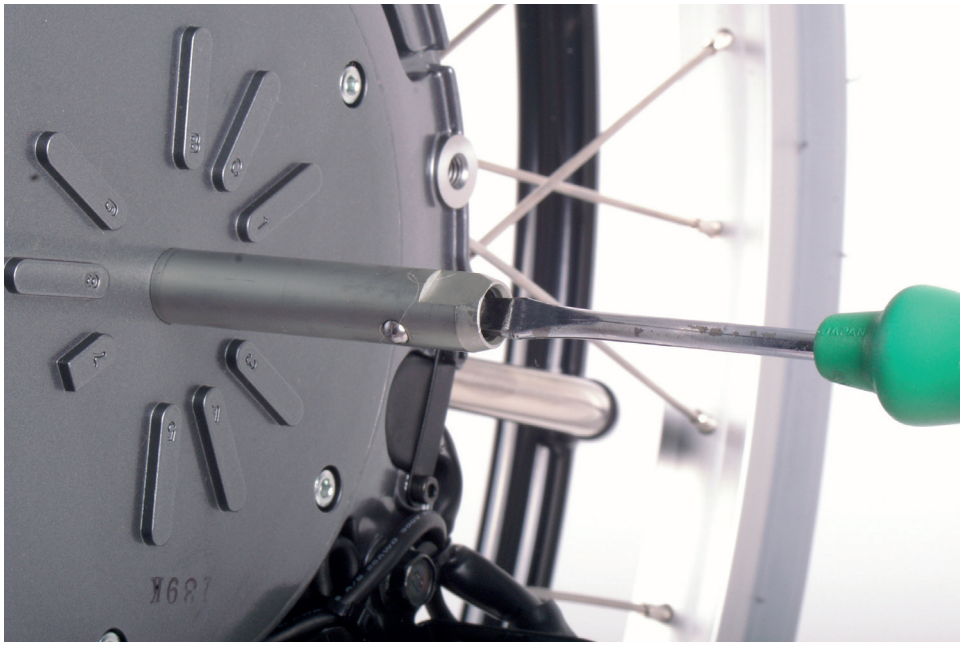
E-Move Essentials

Use an 1,5mm allen key to losen all screws.

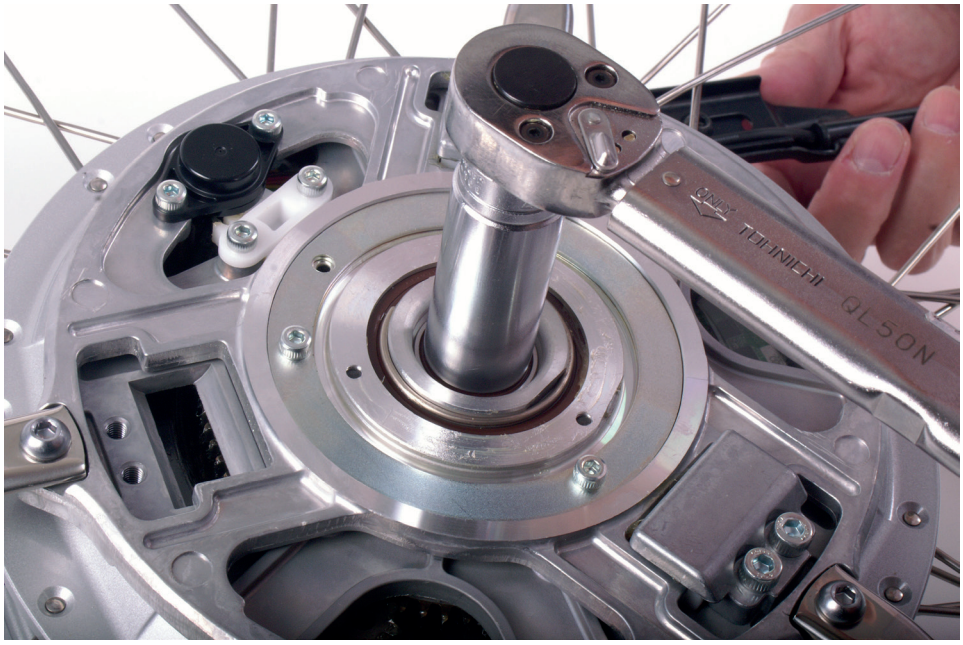
Place the wheel into upright position.



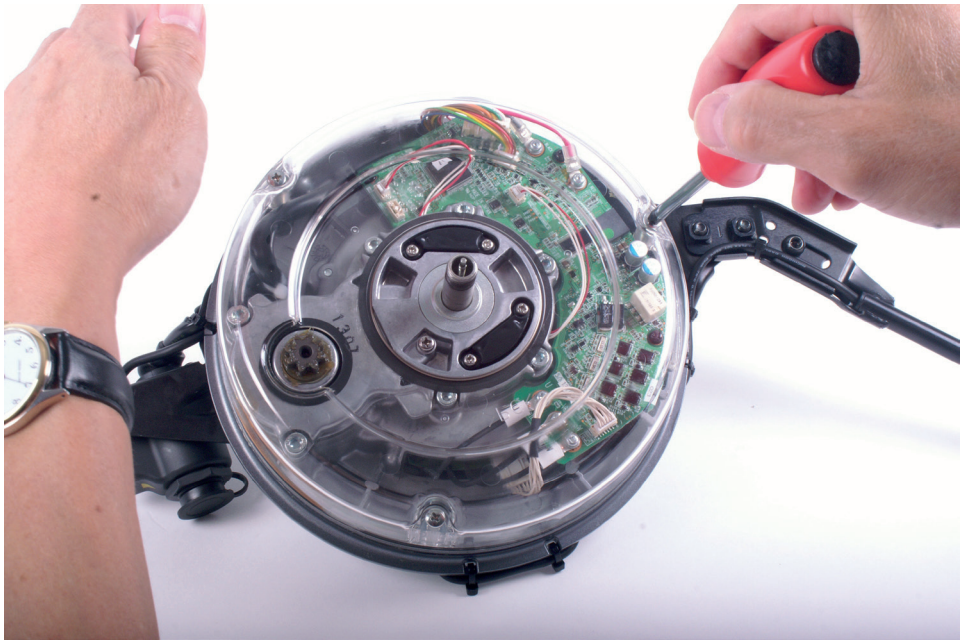
Place the screwdriver in this position. At the same time do you swing around the QR handle till it get loose.

Remove the ring.

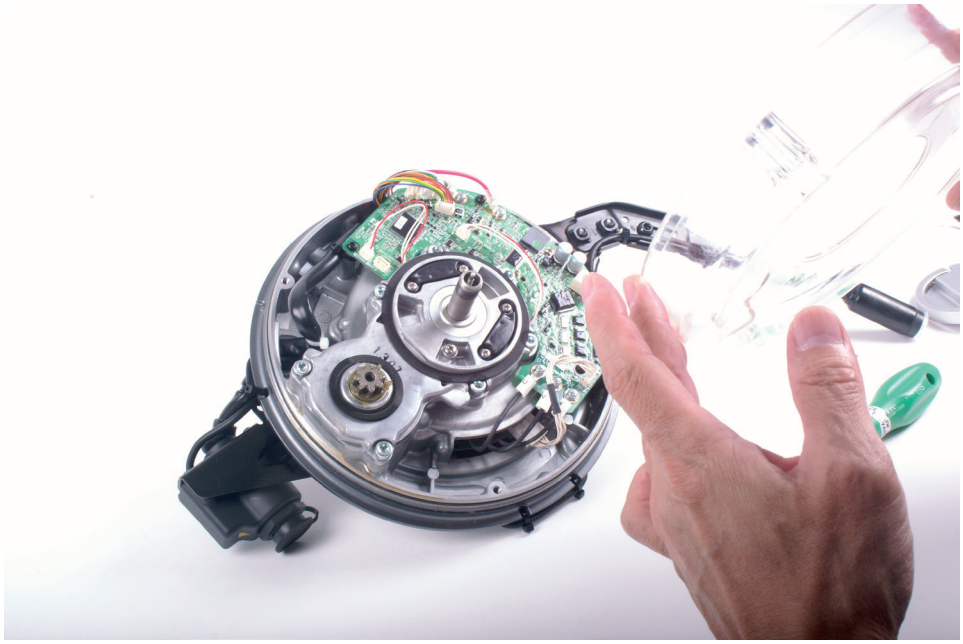
Remove the cover.



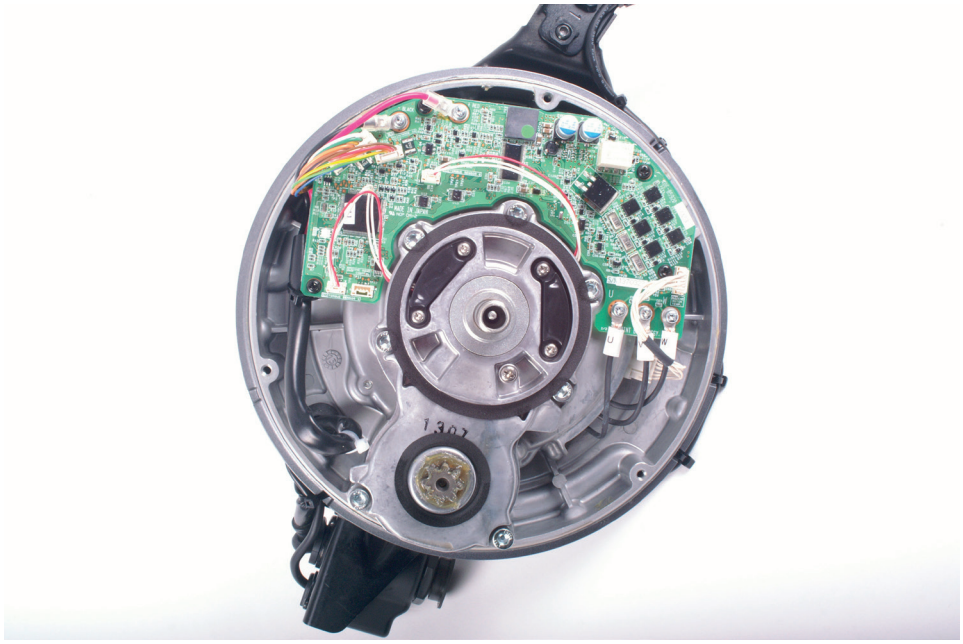
Loosen the bolt (17mm) to seperate the motor department from the wheel.



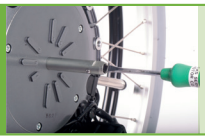
Remove all screws from the transparant cover. The picture below shows how to remove the second ring.



Remove the transparant cover.



Summary

1		Use an 1,5mm allen key to losen all screws. Maintain your hand in this position.
2		Use a screwdriver to fixate the axle. Swing around the QR handle to release it from the axle.
3		Remove the ring from the transparant cover.
4		Release the center bult (17mm) to separate the motor hub from the wheel.
5		Remove the transparant cover by using a screwdriver.
6		Remove the ring (different size as the one with step 3).
7		Remove the transparant cover.

There are 2 different ways to calibrate E-Move.

Alternative 1

Manually

Alternative 2

Electronically

Alternative 1 - Manually

Before you start, make sure brakes are activated and E-Move is OFF.

Calibrate **left** Side.

Calibrate **right** Side.

Step 1

Move the left push rim completely to the back and maintain in this position. You will hear a long beep, which confirm service mode. After the beep you can release the push rim.

Move the right push rim completely to the back and maintain in this position. You will hear a long beep, which confirm service mode. After the beep you can release the push rim.

Step 2

Move the left push rim back again and maintain in this position. Now move the right pushrim 10 times forward. After these 10 times you will hear a short beep, confirming calibration mode.

Dra höger push rim back again and maintain in this position. Now move the left push rim 10 times forward. After these 10 times you will hear a short beep, confirming calibration mode.

Step 3

Immediately after the first short beep, E-Move will beep 10 times. Under these 10 beeps, you will push the LEFT push rim 2 seconds completely forward and release it. After the 10th beep, you'll hear 10 short beeps again. Under these 10 beeps you will now push the LEFT push rim 2 seconds completely to the back and release it. After the 10th beep, you will hear a long beep. Finally you will hear a s***hort bee***p to confirm calibration.

Immediately after the first short beep, E-Move will beep 10 times. Under these 10 beeps, you will push the RIGHT ush rim 2 seconds completely forward and release it. After the 10th beep, you'll hear 10 short beeps again. Under these 10 beeps you will now push the RIGHT push rim 2 seconds completely to the back and release it. After the 10th beep, you will hear a long beep. Finally you will hear a s***hort bee***p to confirm calibration.

If something unexpected will happen during calibration, will you hear a long beep immedia-tely after the short beep that confirms the calibration.

Step 4

Switch off E-Move

Alternative 2 - Electronically

Before you start this procedure, make sure E-Move is switched off and brakes are activated.

Step 1
- Start the the computer, and start up the software.
- Connect E-Move to the computer or tablet (windows)
- Switch on E-Move

It is recommended to calibrate both sides.

Alternative 2 - Electronically

Step 2

Click TOOL

Alternative 2 - Electronically

Step 3

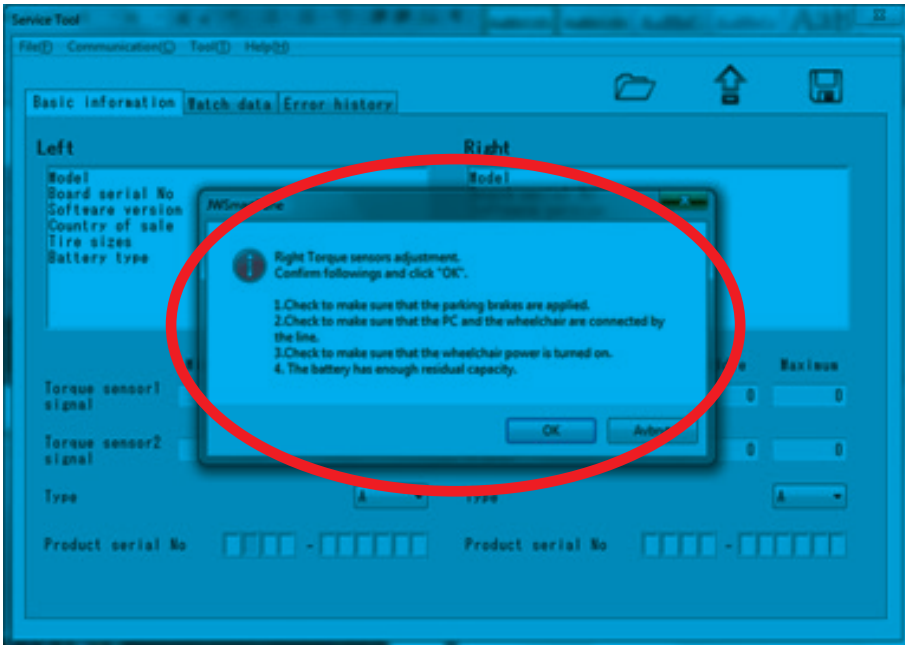
Choose “Adjust right torque sensors characteristics”

Alternative 2 - Electronically

Step 4

Make sure:
- Brakes are activated
- E-Move is connected to your computer or windows tablet.
- E-Move is switched on
- Battery has at least 1 green LED light lighted.

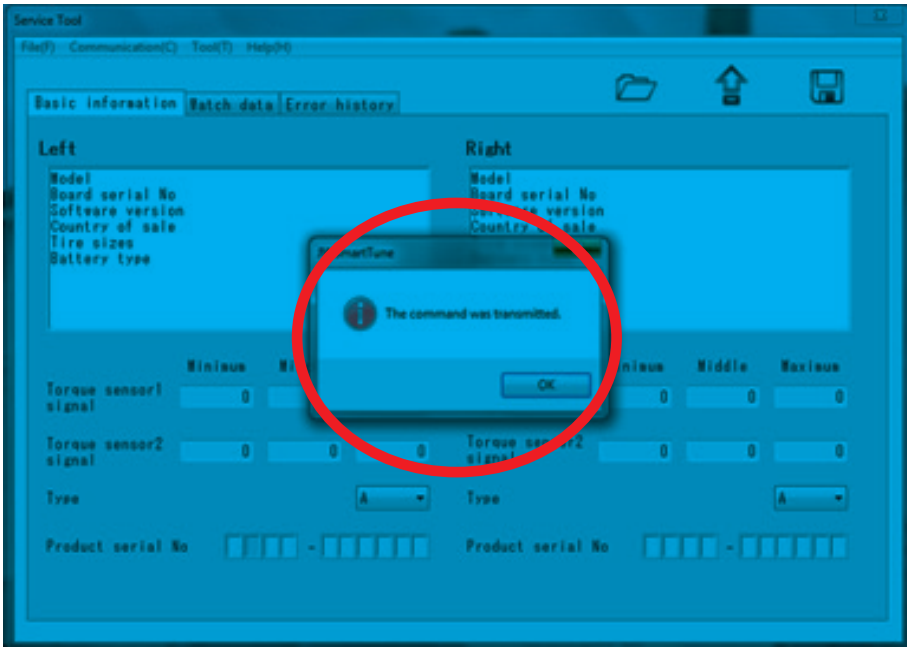
Just immediately after you clicked OK, another popup will appear. This popup will disappear and will be followed by another popup where you will have to click OK.



Alternative 2 - Electronically

Step 5

Just immediately after you clicked OK, another popup will appear. This popup will disappear and will be followed by another popup where you will have to click OK.



Alternative 2 - Electronically

Step 6

E-Move will produce 10 short beeps. Under these 10 short beeps you will push the **RIGHT SIDE** push rim 2 seconds completely to th**e back**. After the 10th tone you will hear a long beep.

Now E-Move will produce 10 short beeps again. Under these 10 beeps you will pull the **RIGHT SIDE** push rim 2 seconds completely to **the** back and release it.

After the 10th beep, you will hear a long beep. After a couple of secon***ds it wi***ll be followed by a short beep, confirming the calibration process.

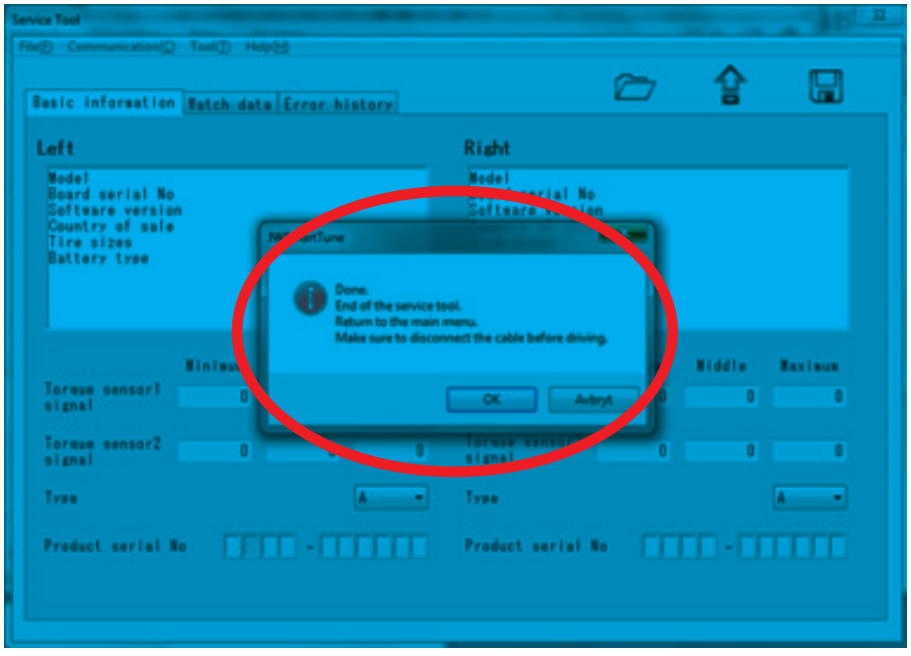
If something unexpected will happen during calibration, will you hear a long beep immediately after the short beep that confirms the

Alternative 2 - Electronically

Step 7

Confirm calibration by clicking on OK.

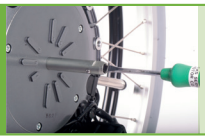
To calibrate the left side, repeat step 2 upp till 6 but change to the left side instead.

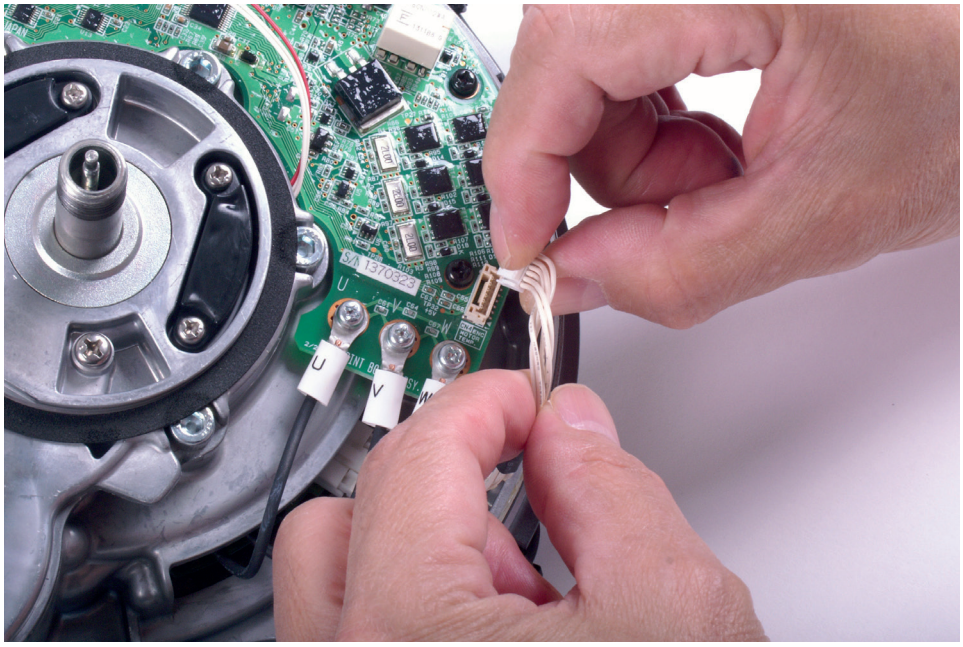


Summary

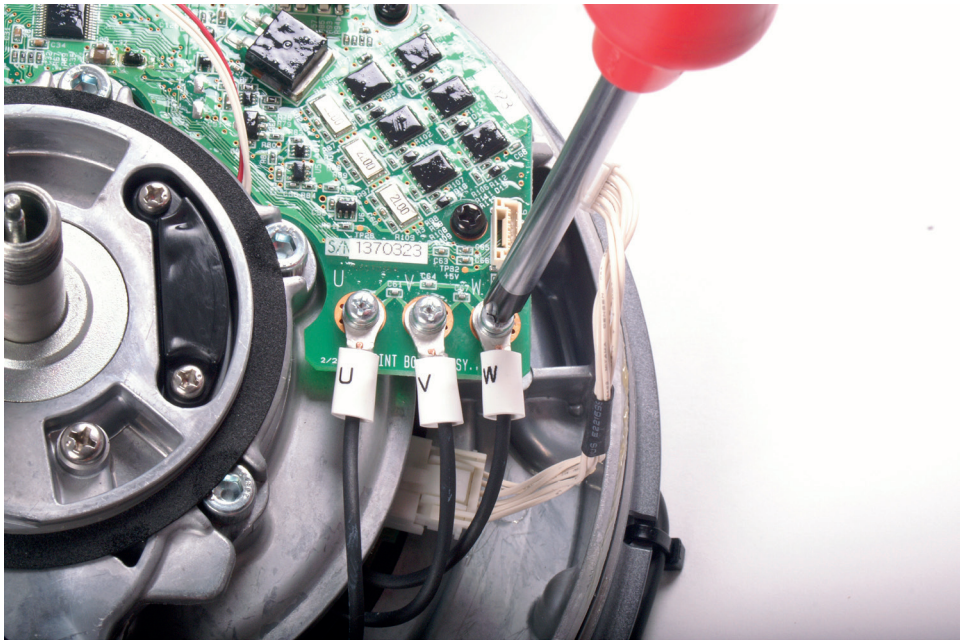
1		Choose calibration method: manually or electronically.
2		Calibrate both wheels.
3		Reasure yourself that calibration was done perfectly (small beep at last). If you hear a long beep at last, please repeat calibration process until you hear the small beep at last.

Open the E-Move

1		Use an 1,5mm allen key to losen all screws. Maintain your hand in this position.
2		Use a screwdriver to fixate the axle. Swing around the QR handle to release it from the axle.
3		Remove the ring from the transparant cover.
4		Release the center bult (17mm) to separate the motor hub from the wheel.
5		Remove the transparant cover by using a screwdriver.
6		Remove the ring (different size as the one with step 3).
7		Remove the transparant cover.

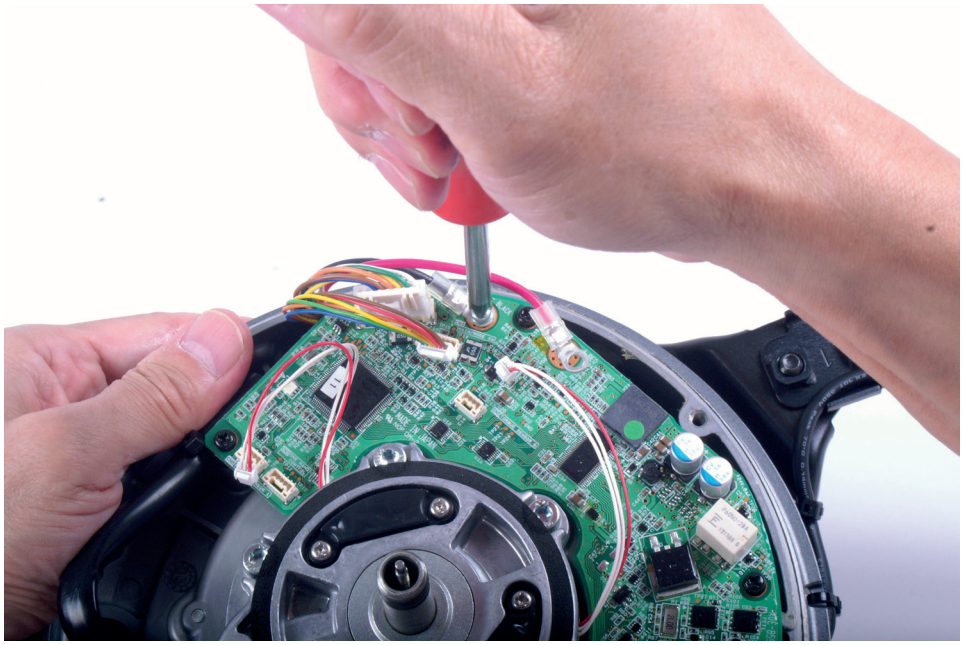


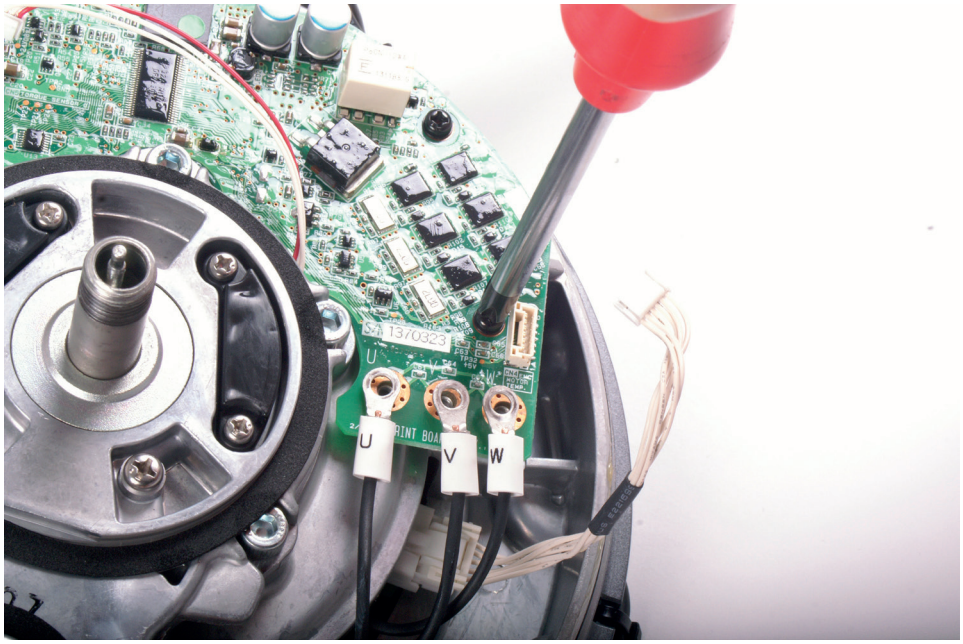
Disconnect all the plugs.



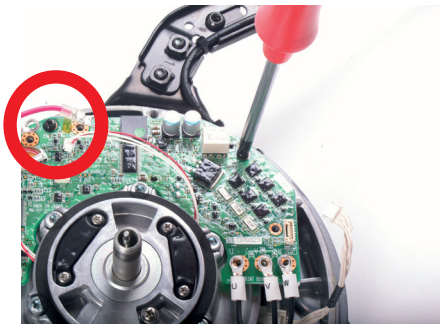
Loosen all three cables called: U, V and W.

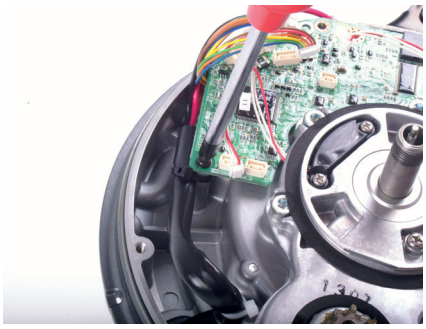
Loosen the black and red cables as well.

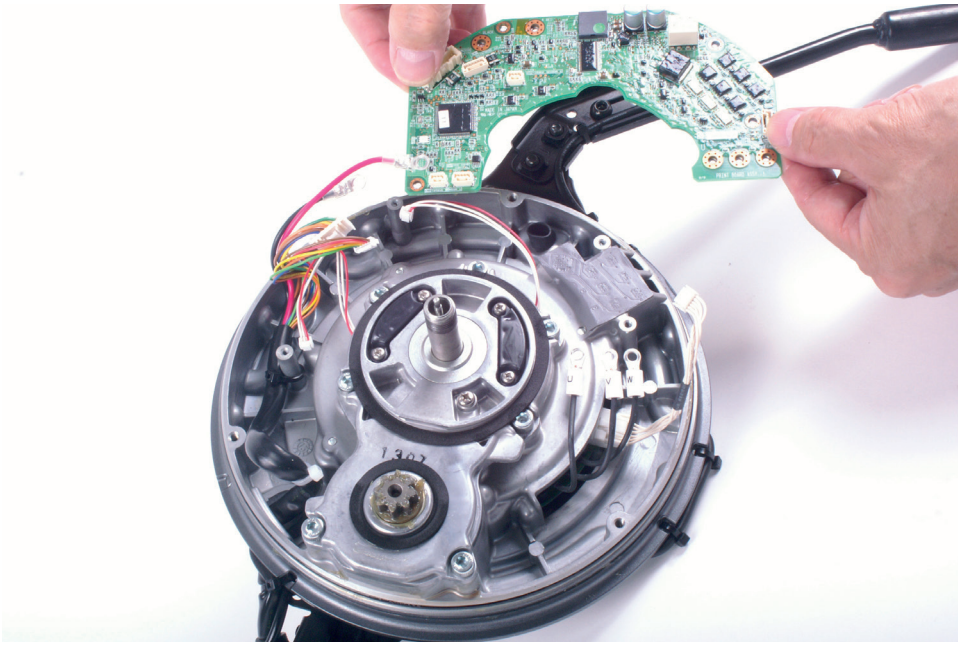




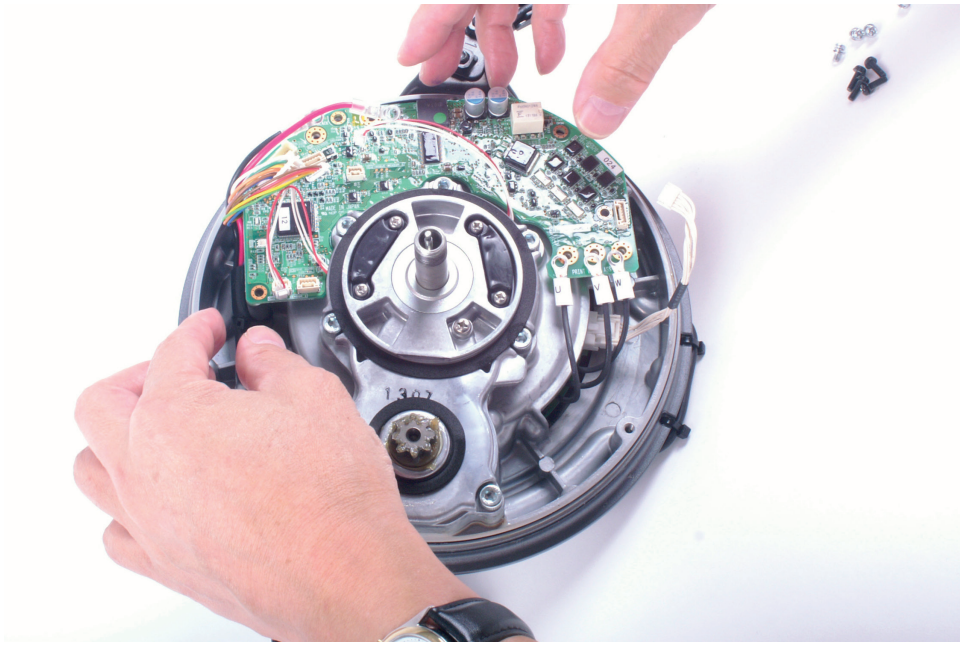
Loosen all 4 screws that keeps the PCB card on position.



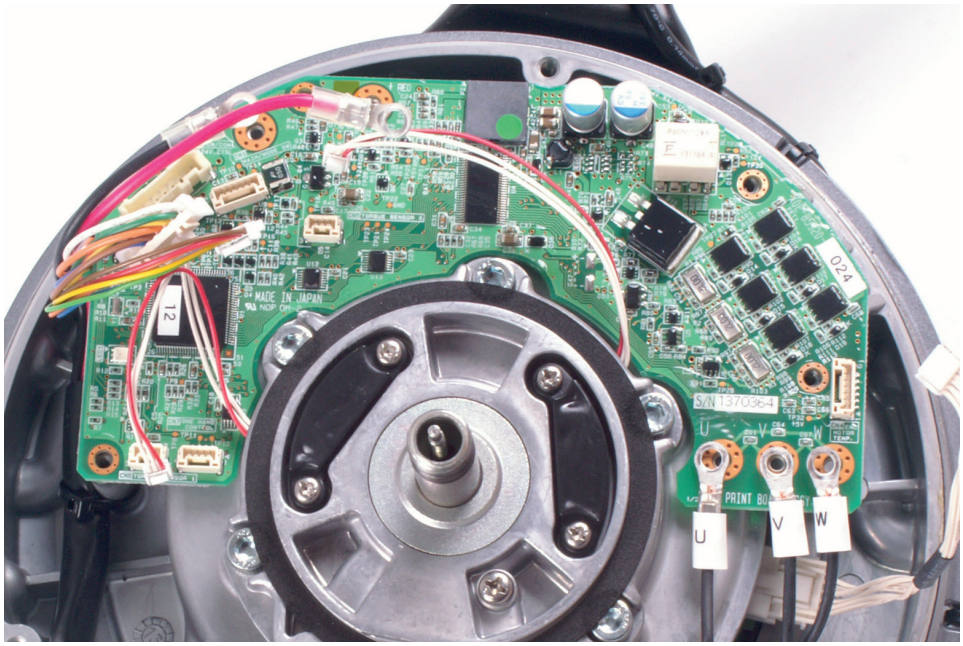




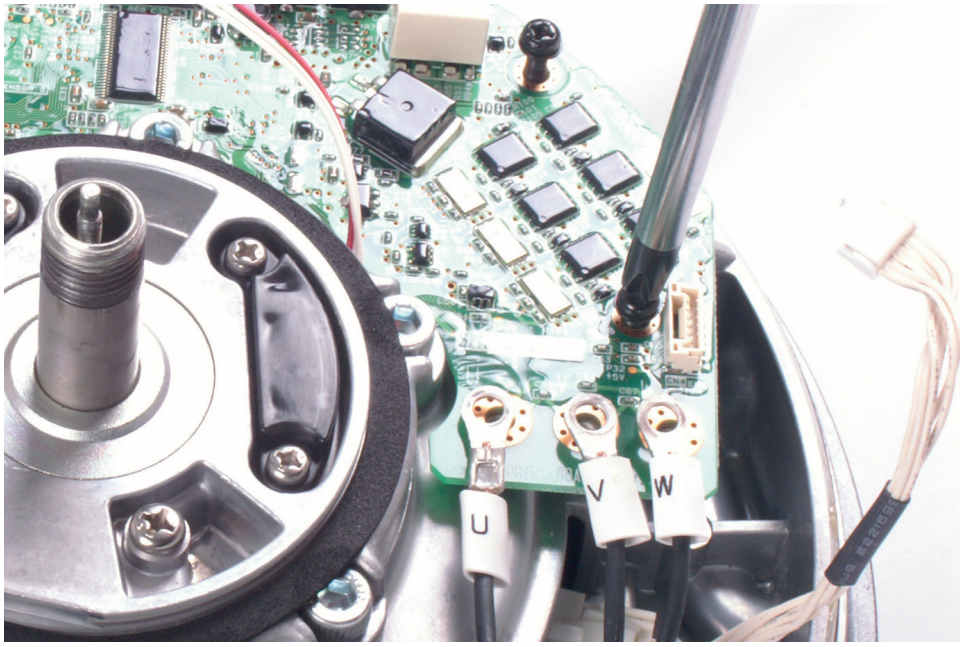
Remove the PCB card.

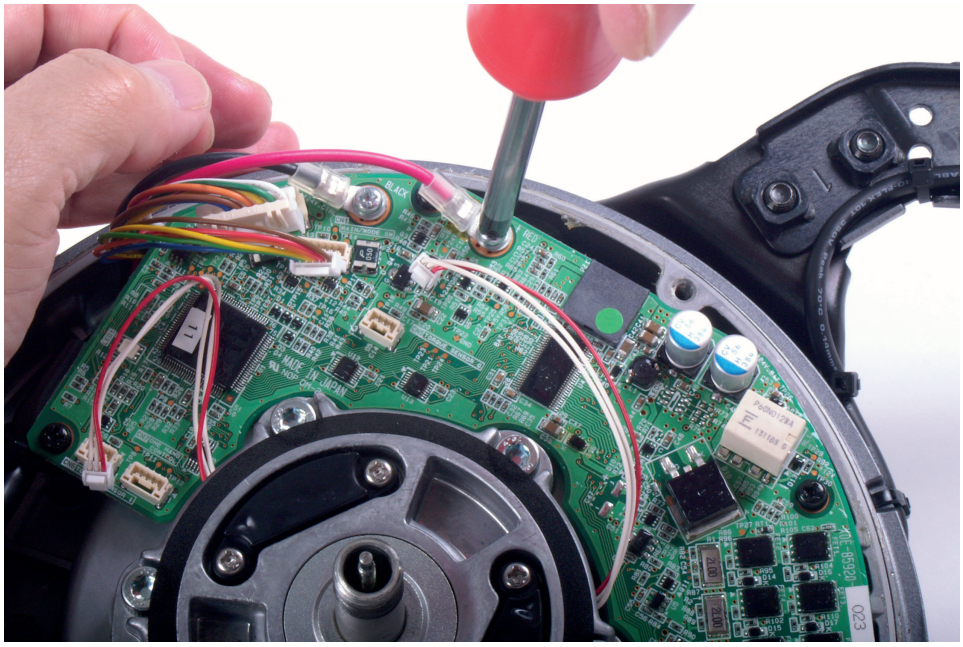


Position carefully the new PCB card.

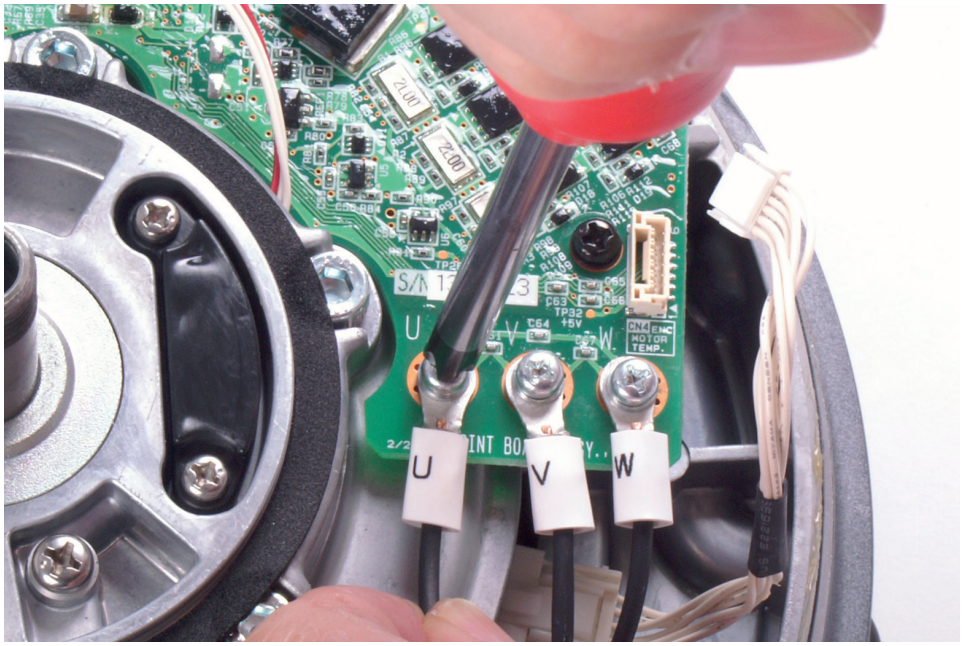


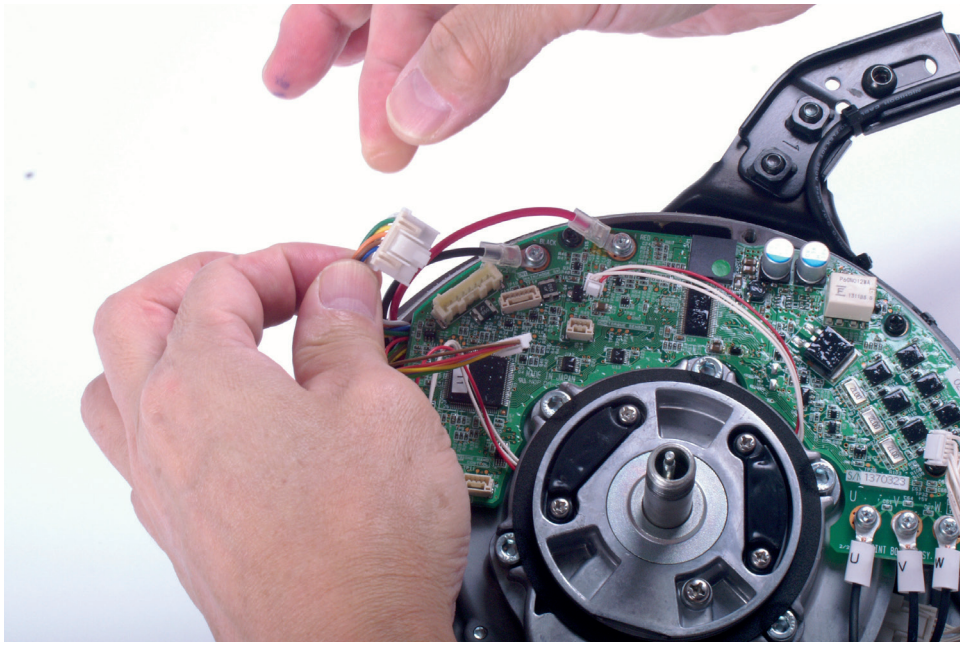
Put on drop of LocTite 243 on every screw you use for mounting the PCB card.





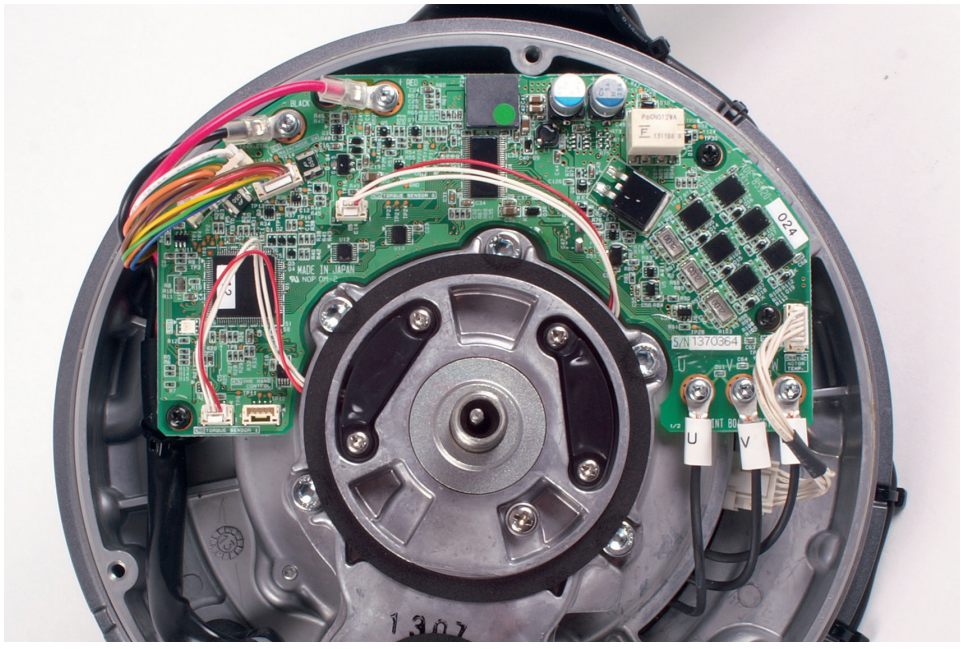
Mount the black and red cable and the U, V & W cable as well.

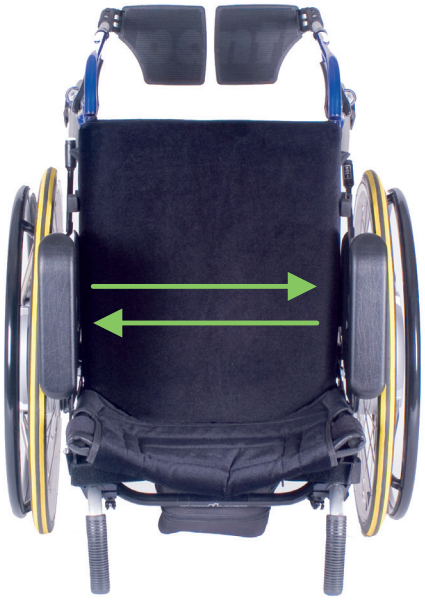




Connect all the plugs.

This is what it will looks like when ready.





IMPORTANT!

E-Move will back-up all settings automatically.

Settings for the left wheel will be saved as back-up on the right wheel and vice versa.

In case you will change the PCB card to the right wheel, you can recall the settings on for the right wheel.

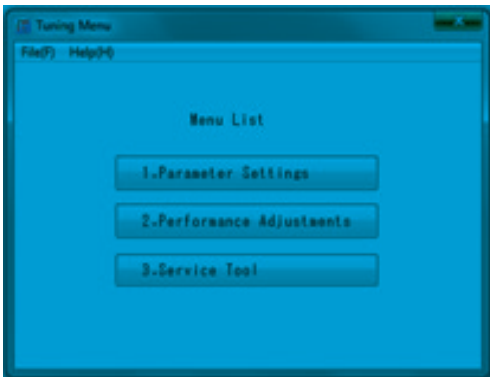
When these settings are loaded into your system, you can save them to the wheels.

Because you just changed the PCB card for the right wheel, there are no back-up data saved from the left wheel. As soon as you will use the E-Move, this back-up will automatically be done.

New PCB card will be programmed with back-up data.

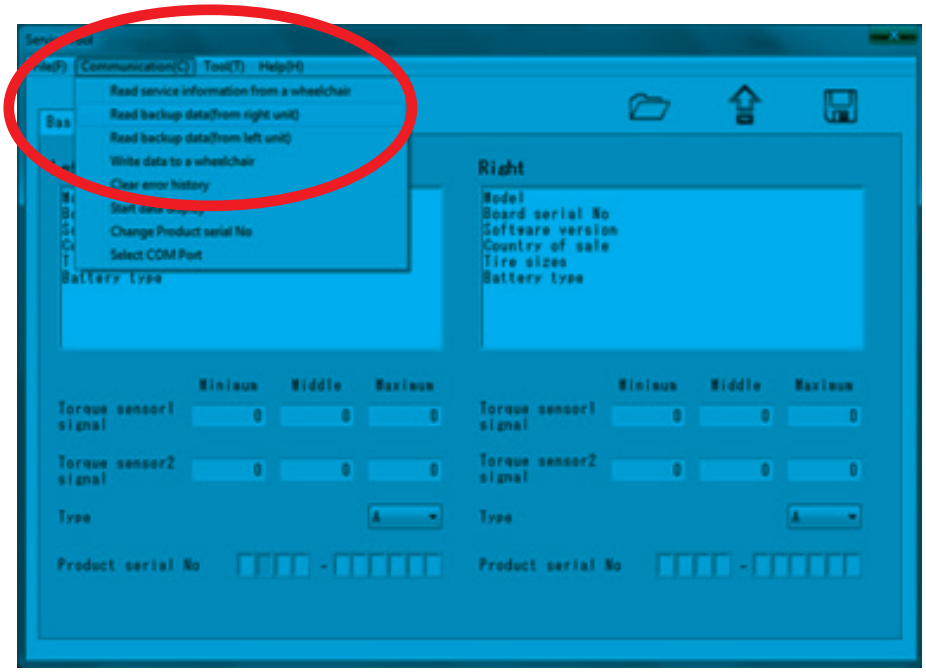
Step 1
- Start the the computer, and start up the software.
- Connect E-Move to the computer or tablet (windows)- Switch on E-Move
- Starta upp “Smart Tune” mjukvara.

Choose 3: Service Tool



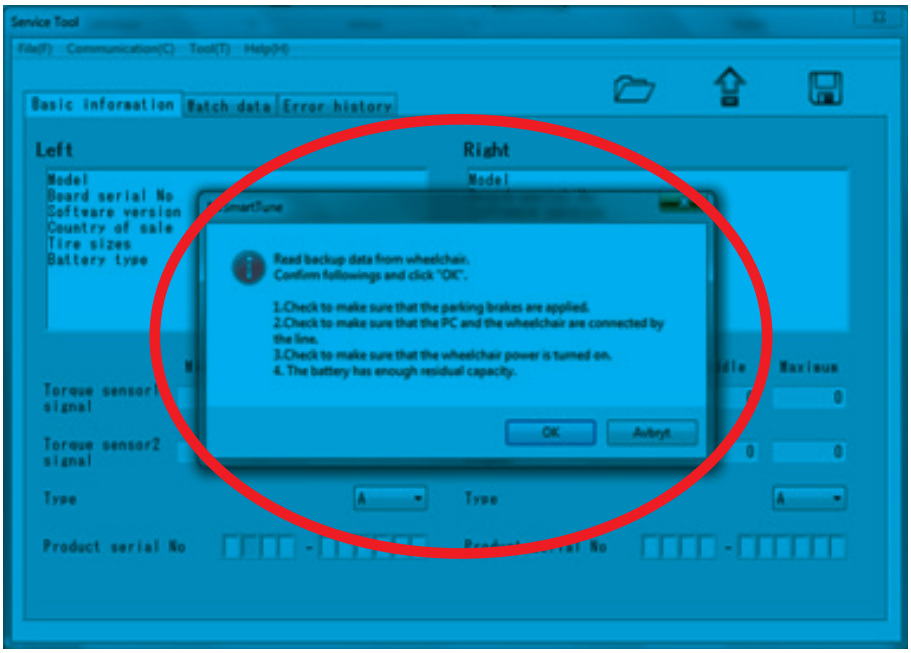
Step 2

Choose Communication and choose then for
“Read Backup data from right unit” or “Read Backup data from left unit” based on the side that has the original PCB card.



Step 3

Make sure:
- Brakes are activated
- E-Move är anslutat på Electronicallyn
- E-Move is switched on
- Battery has at least 1 green LED light lighted.

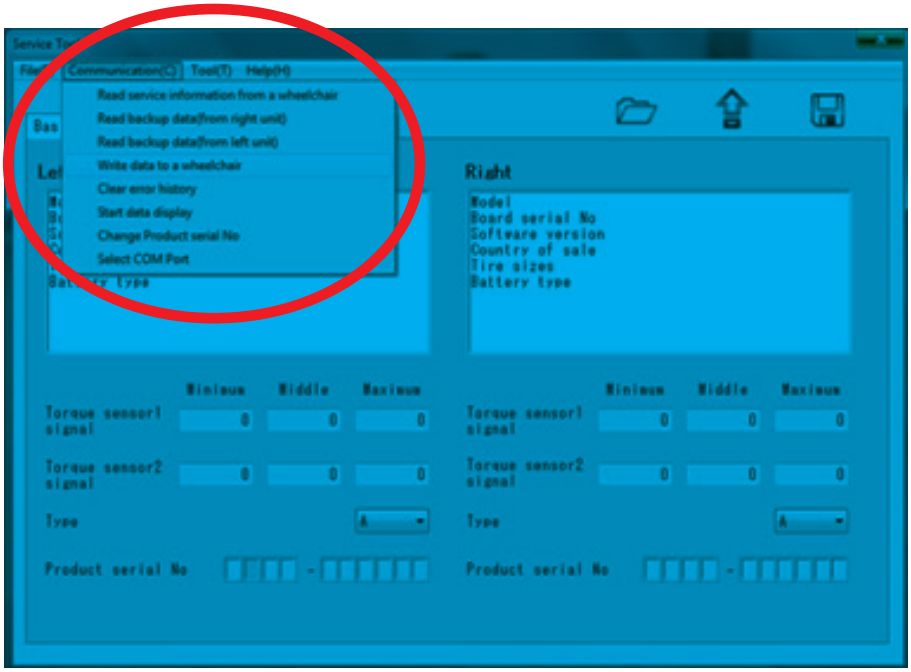


Step 4

In case the data was transferred correctly, you will see a confirmative popup.

Step 5

Now you will program the back up to the new PCB card. Choose Communication and then "Write data to wheelchair"

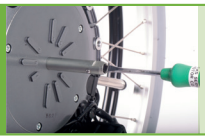


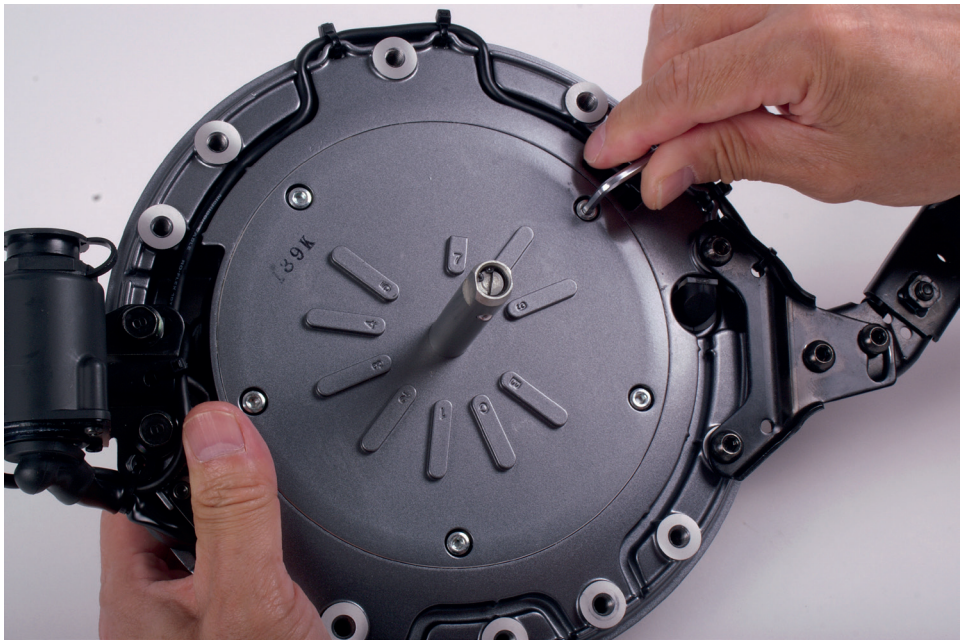
Step 6

In case the data was transferred correctly, you will see a confirmative popup.

Summary

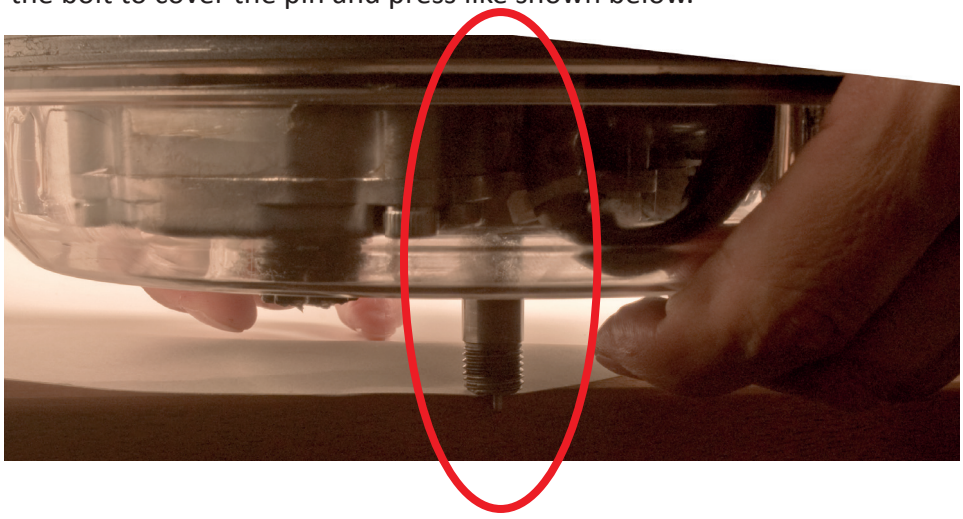
Open the E-Move

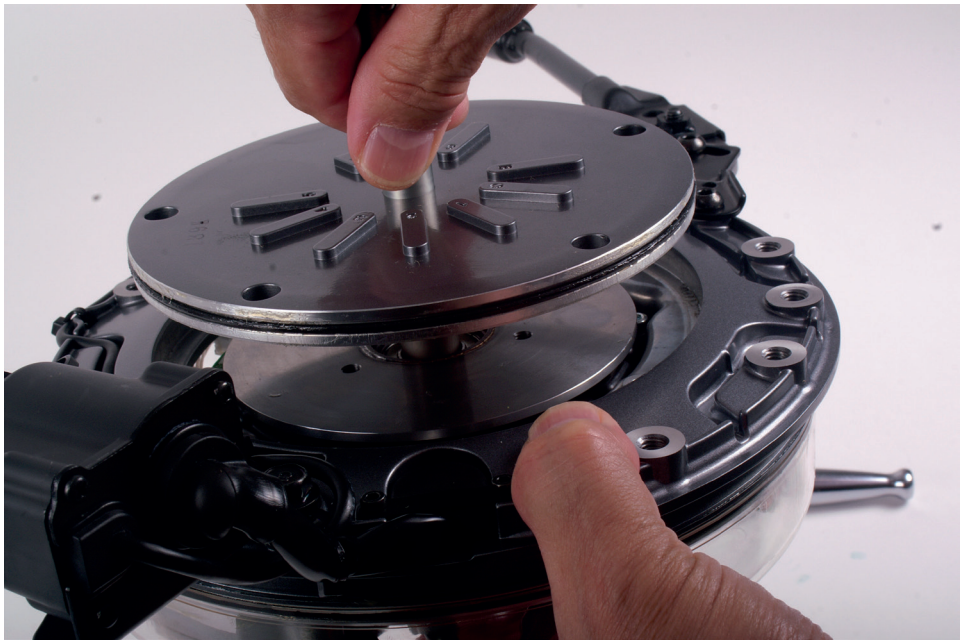
1		Use an Allen key to open the handle bar. Just open the screw, don´t take this out!
2		Use a screw drawer to fixate the axle pin.
3		Remove the ring and remove the cover.
4		Remove the bolt (17mm) you can separate the wheel from the motor.



Use an 4,0 mm Allen Key and remove all 5 screws.

Press out the plate above (becareful, don´t damage the QR pin) Replace the bolt to cover the pin and press like shown below.





Remove the axle plate from the housing.

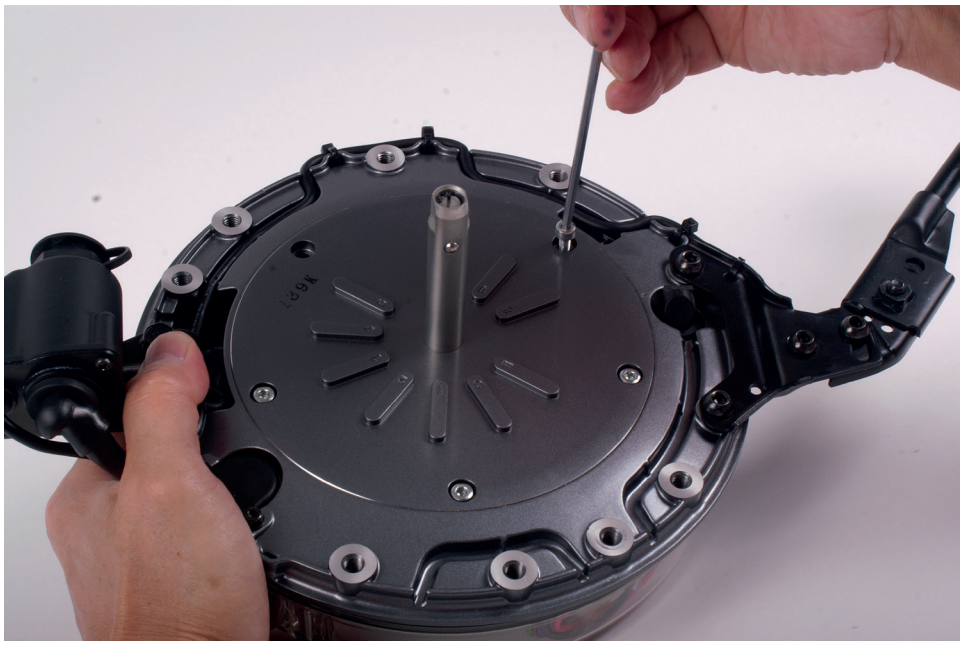
Mount the QR handle back on the axle.

Remove the axle.

Mount the new axle (if necessary, change the spacer too)

Place the new axle back in it´s housing.

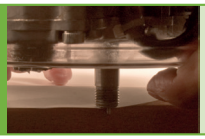
Be sure all whole are in the right position.



Mount all the screws.

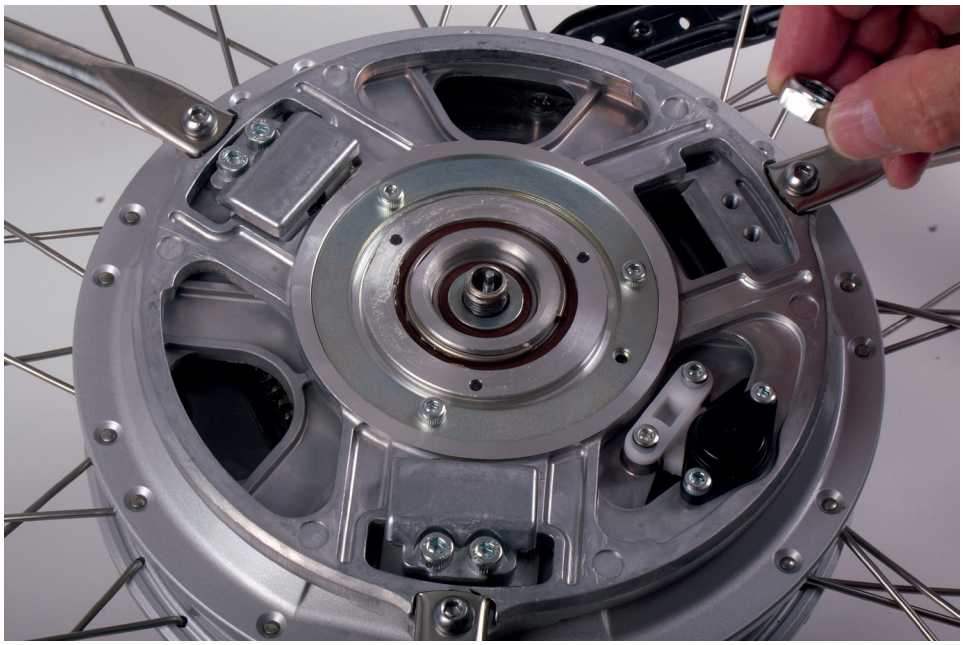
Use 4 NM, according schema.

Summary

1	1	Chapter 1 - Open the E-Move
2		Använd en 4,0 mm insex för att lossa alla 5 skruven.
3		Pressa ur axelhuset genom ställa axeln (akta på QR pinna) på bords-kanten and pressa på utkanten av E-Move.
4		Sätta på handtaget för att kunna ta bort axel från platta. Flytta hand-taget till ny axel and placera den tillbaka i plattan.
5		Montera plattan tillbaka i navet.
6		Använd 4 NM and följ siffror systematik.

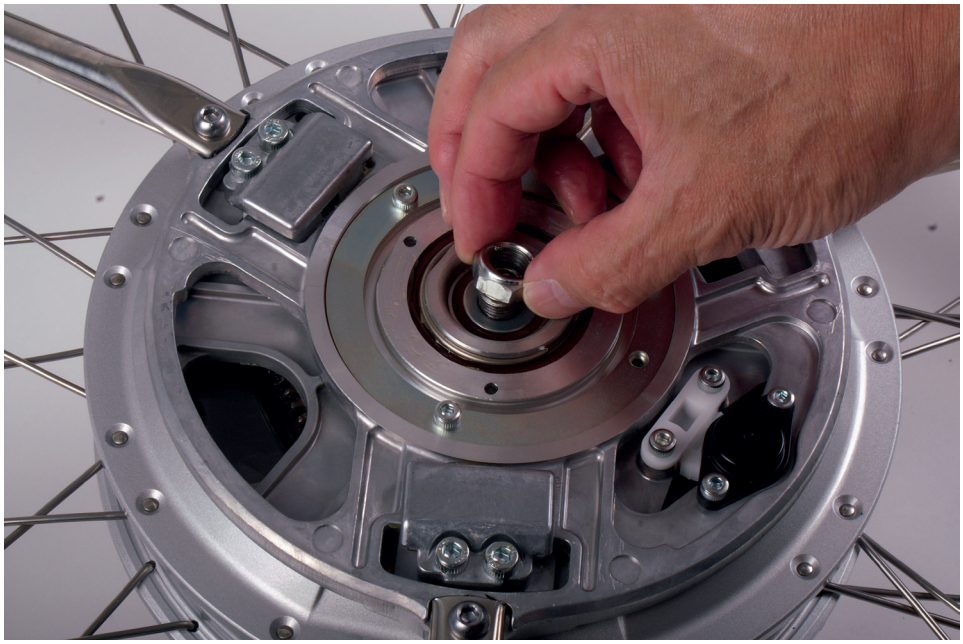
Motor and electronics are mounted correctly.

Place the wheel over the motor hub.



Place the spacer in its position.

Mount the nut.



Use a torque wrench (8 NM).

Place the cover.

Place the ring and chech if the cover is locked in position.

Mount the QR handle by swirl it around while you fixate the axle with a screwdriver.

Secure the QR Handle by tighten the 1,5mm allen screw.