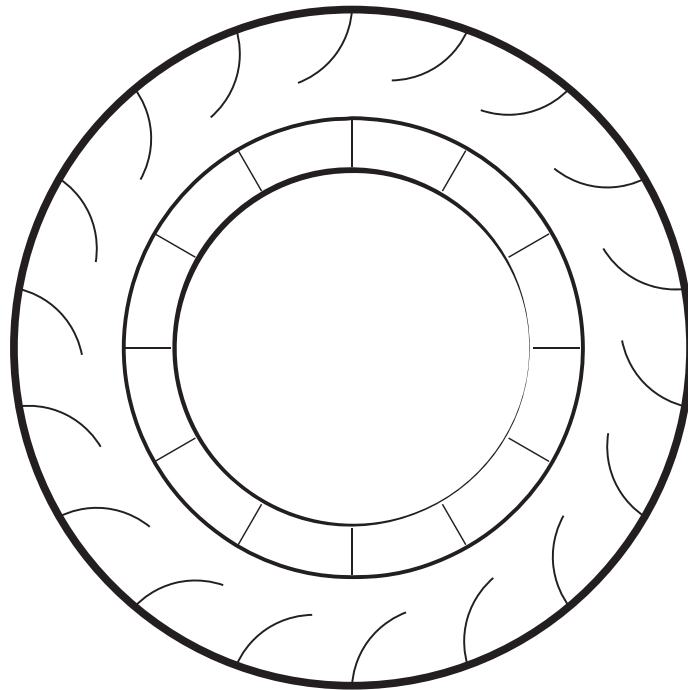




# **Companion Tire Replacement Program SERVICE MANUAL**



**This manual describes the service procedures to replace a tire on a Companion using the Tire Replacement Program Kit. This procedure is intended for service technicians.**



**Made in Canada**  
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# Table of Contents

**Replacing the Companion's Tire and Brake Pads ..... 2**

**Disassembly ..... 2**

    Step 1: Removing the Brake Cable and Locking Pin..... 2

    Step 2: Remove the Motor from the Fork ..... 3

    Step 3: Remove the Brake Pad Assembly ..... 3

    Step 4: Remove the Motor Cover ..... 3

    Step 5: Remove the Tire Assembly from the Motor..... 4

**Tire Assembly Replacement ..... 5**

**Reassembly..... 5**

    Step 6: Replace the tire on the Motor ..... 6

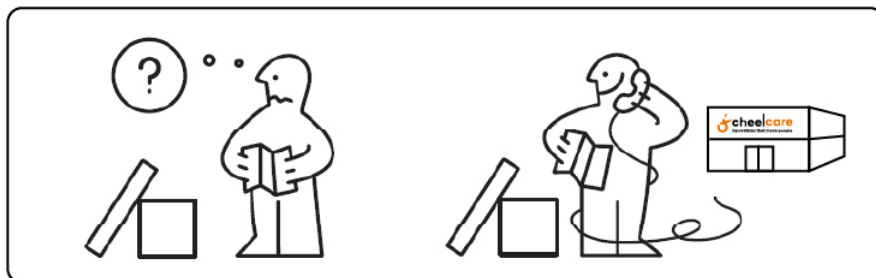
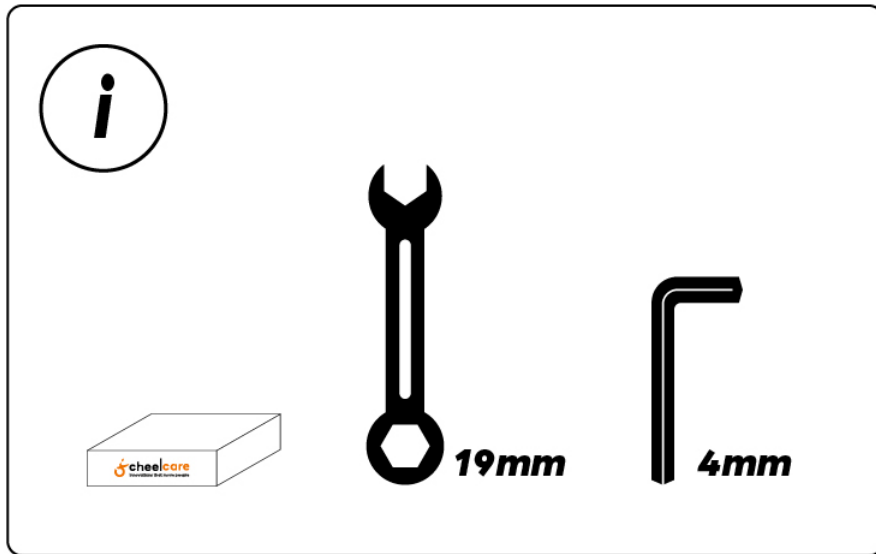
    Step 7: Reassembling the Motor Cover ..... 6

    Step 8: Reattach the Brake Pad Assembly ..... 6

    Step 9: Reattaching the Motor to the Fork ..... 7

    Step 10: Reattach the Brake Cable and Locking Pin ..... 7

**Final Steps ..... 7**



## Replacing the Companion's Tire and Brake Pads

The following service instructions explain how to change a Companion's tire and brake pads using Cheelcare's *Tire Replacement Program* Kit. The kit is available for purchase through Cheelcare or an authorized distributor.

### WARNING: MAGNETS

Performing this service exposes high-powered magnets.

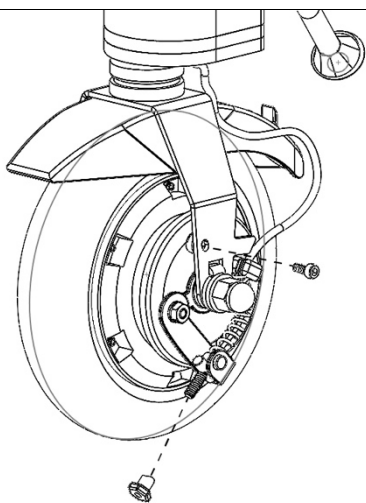
Use caution when handling the Motor Assembly and Tire Assembly as the high-powered magnets could pinch your fingers resulting in injury.

### TOOLS REQUIRED

- 19mm Wrench
- 4mm Allen Key
- Cheelcare Companion Tire Replacement Program Kit

### Disassembly

**1.**

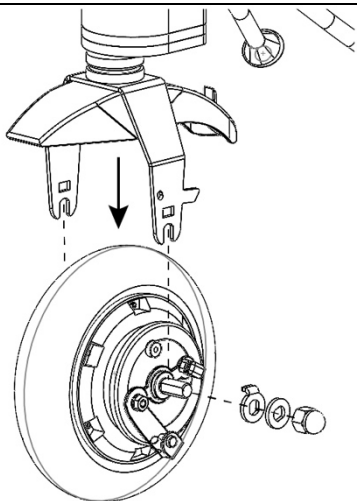


#### Step 1: Removing the Brake Cable and Locking Pin

Unscrew the brake cable locking pin using the 4mm Allen Key. Reserve the pin for re-assembly.

Unscrew the brake tension nut from the end of the brake cable assembly. Reserve the brake tension nut for reassembly.

**2.**

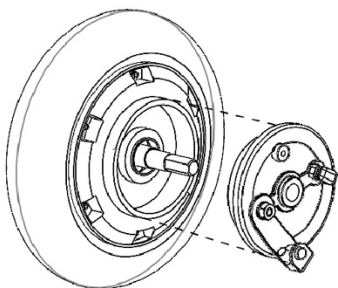


 19mm

**Step 2: Remove the Motor from the Fork**

Using a 19mm wrench, remove the nut from each side of the Motor. Reserve the nuts and washers for reassembly. Remove the Motor from the Fork.

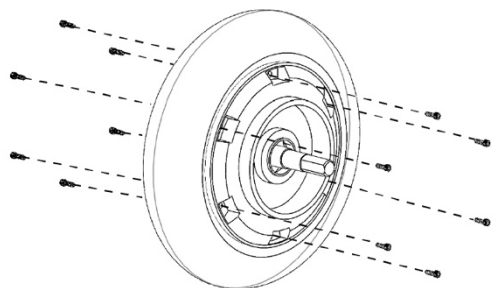
**3.**



**Step 3: Remove the Brake Pad Assembly**

With the Motor removed from the Fork, the brake pad assembly can be slid off the Motor by removing it with your hands.

**4.**

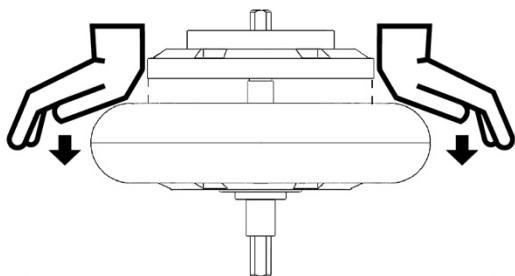


 4mm

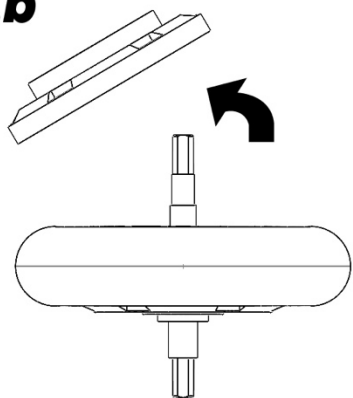
**Step 4: Remove the Motor Cover**

Unscrew the six screws from the motor covers using the 4mm Allen Key. Slide the Motor Covers off the motor, exposing the motor's inner housing.

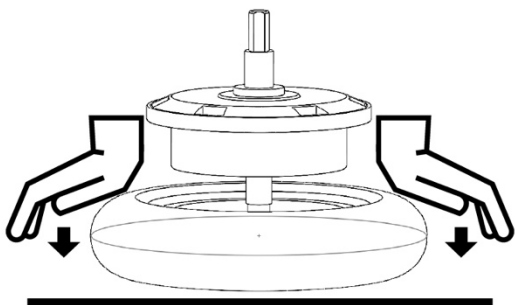
### 5.a



### 5.b



### 5.c



## Step 5: Remove the Tire Assembly from the Motor

With the Motor Covers removed, you can now remove the Tire Assembly from the Motor.

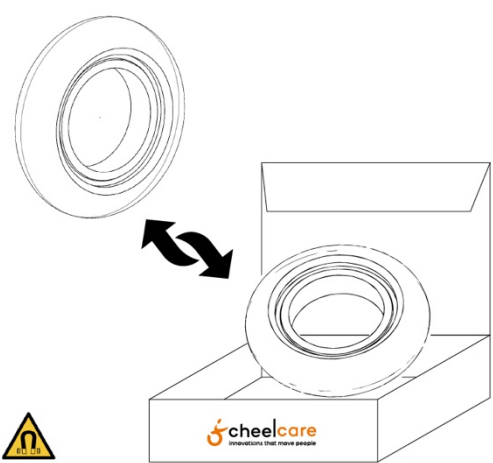
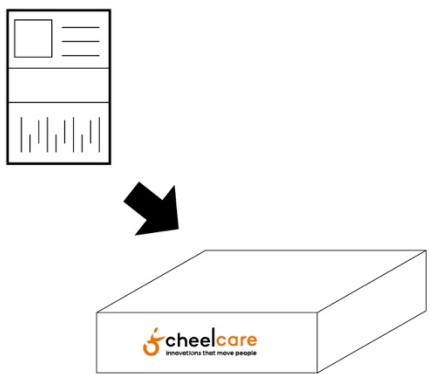
Apply a downward force on the tire against a solid surface to push the tire and rim assembly off of the motor's hub.

Once the top cover plate has been freed from the assembly, remove it and set it aside.

Flip the motor assembly 180-degrees and again apply a downward force on the tire and rim assembly to free it from the motor hub.

### Tire Assembly Replacement

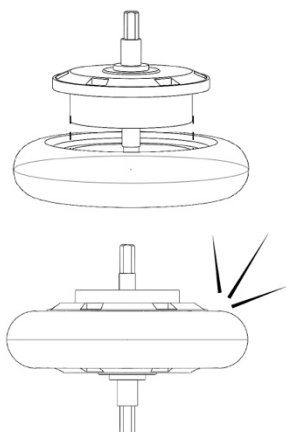
With the Tire Assembly removed from the Motor, you can now replace it with the new Tire Assembly by sliding the new assembly onto the Motor Hub.

 <p>The diagram illustrates the process of swapping a tire. On the left, an old tire assembly is shown. A double-headed arrow indicates it is being replaced by a new tire assembly shown inside a cheelcare box. A yellow warning symbol is located in the bottom left corner of this section.</p>	<p>Swap the old tire with the new tire provided in the Tire Replacement Kit.</p>
 <p>The diagram shows a return shipping label being applied to the cheelcare box. An arrow points from the label to the box.</p>	<p>Apply the return shipping label to the box and contact UPS for pickup.</p>

### Reassembly

Now that the Tire Assembly has been replaced, you can now reassemble the Motor Hub Assembly and return it to the fork.

6.

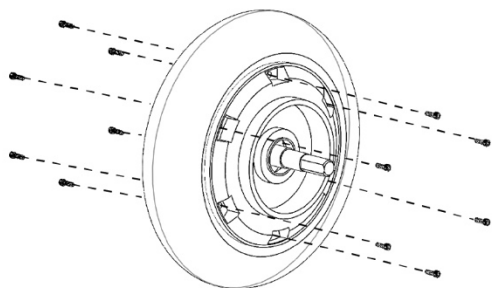


**Step 6: Replace the tire on the Motor**

Place the new tire beneath the motor and gently lift it up, allowing the motor's magnets to snap it into place.

**Caution!:**  
*Do not place your fingers in between the magnets as they could get pinched!*

7.

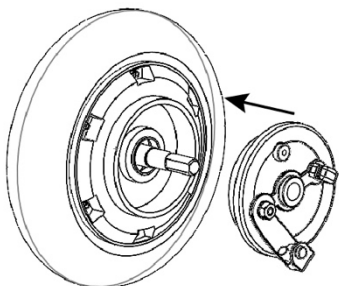


○ 4mm

**Step 7: Reassembling the Motor Cover**

Slide the Motor Covers back onto the motor and secure them by screwing in the six screws using the 4mm Allen Key. Make sure the covers are securely in place, exposing the motor's inner housing.

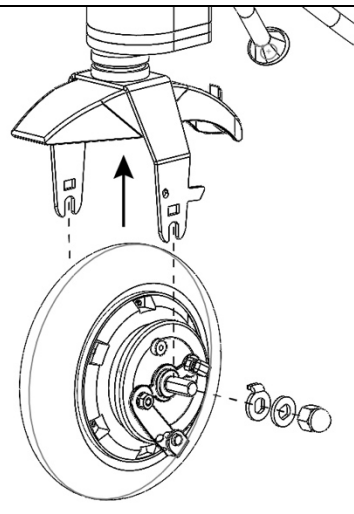
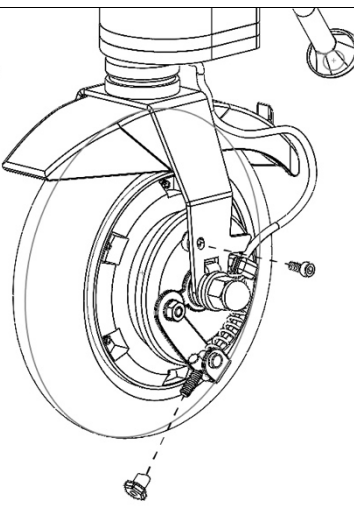
8.



**Step 8: Reattach the Brake Pad Assembly**

Slide the brake housing back onto the Motor, aligning it properly.



<p><b>9.</b></p>  <p>19mm</p>	<p><b>Step 9: Reattaching the Motor to the Fork</b></p> <p>Place the Motor back onto the Fork, ensuring it is properly aligned.</p> <p>Use a 19mm wrench to secure the nuts and washers on each side of the Motor. Tighten them to ensure the Motor is firmly attached to the Fork.</p>
<p><b>10.</b></p>  <p>4mm</p>	<p><b>Step 10: Reattach the Brake Cable and Locking Pin</b></p> <p>Thread the brake cable back through the brake housing. Screw the brake tension nut back onto the end of the brake cable assembly. Secure the brake cable locking pin in place using the 3mm Allen Key.</p>

### Final Steps

1. Double-check that all nuts, bolts, and screws are tightened securely to ensure the safety and functionality of the Companion Power Drive.
2. Before using the wheelchair, test the brakes to ensure they engage and disengage correctly. Make any necessary adjustments if the brakes aren't functioning as expected.
3. Place the old Tire Assembly into the box that the Tire Replacement Program Kit arrived in, affix the return label provided, and ship it back to Cheelcare for recycling.
4. Clean up your work area and properly dispose of any old or worn-out parts.

## Service Instructions

---

Your Companion should now have a new tire, which will improve its safety and mobility. If you encounter any issues or have further questions, contact Cheelcare or seek assistance from a qualified technician.

Thank you for following these step-by-step instructions. Have a safe and comfortable experience with your Companion!

## SUPPORT

For technical support contact Cheelcare:

Phone: 1-888-948-2680

Email: [support@cheelcare.com](mailto:support@cheelcare.com)



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