

**THIS MANUAL HAS BEEN DEVELOPED FOR AND INTENDED TO BE USED BY A
QUALIFIED TECHNICIAN WORKING FOR AN AUTHORIZED KI MOBILITY DEALER.**

Installation of the Rear Linking System Klaxon®






Rear Linking System Klaxon® :



Warning

Note: The following steps apply to the Twist ver. 2025 (comprehensive of the Frame for Rear Linking System KT-16-0001).

	Installation of the Twist rear linking system must always be carried out by a Klaxon® authorized technician
	When using the Twist installed at the rear, it is mandatory to have an anti-tipping system installed to the wheelchair. This system is usually supplied by the wheelchair manufacturer.
	All operations described in this section (except where otherwise indicated) must be performed with the user in the wheelchair or using an equivalent weight

Rear Linking System Klaxon® :

Preconditions

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Before proceeding with this manual, please read the “Compatibility Check for Rear Linking System Klaxon” manual.

Execute the following operations with the wheelchair on the ground or on a flat surface.

Determine the tube diameter and consult the Klaxon catalogue to check the correct product code for your wheelchair. The maximum diameter allowed is 36 mm



NOTE	For the following lower diameters, there are special reductions available in the spare parts catalogue: 34-32-30-28-25.
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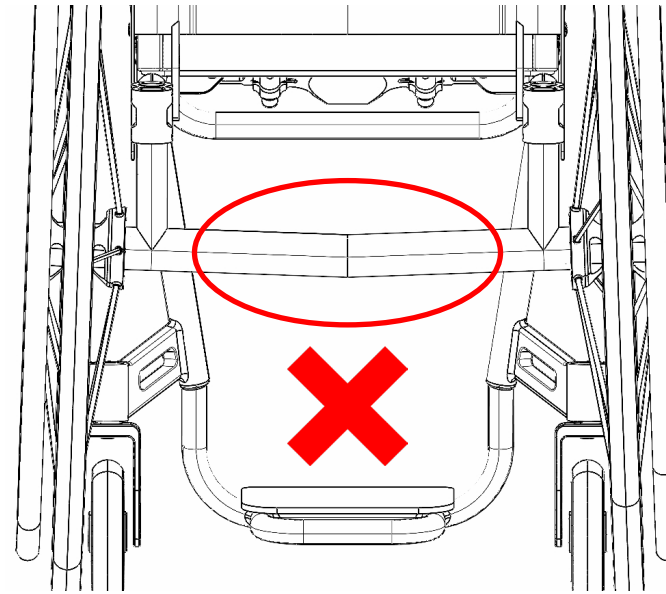
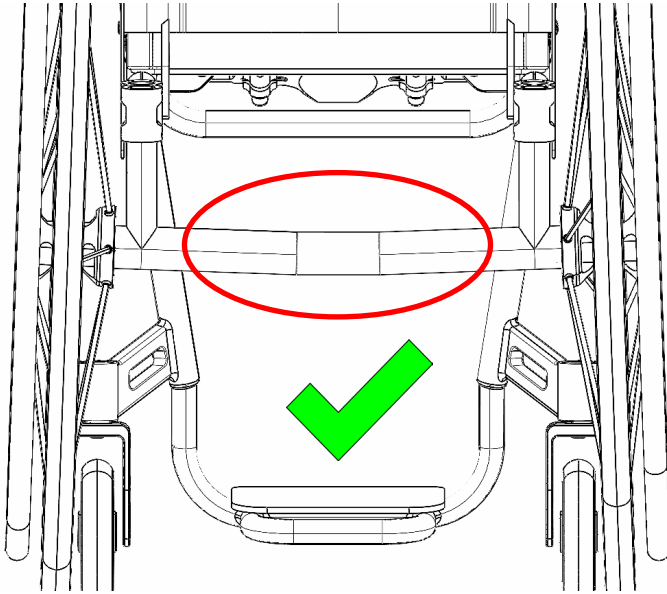
Rear Linking System Klaxon® :

Preconditions

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Ensure that the wheel axle tube has, in its central part, a regular cylindrical profile perfectly parallel to the ground. This requirement must extend, in its central part, at least over the entire length of the Rear Linking bracket.



Rear Linking System Klaxon® :

Preconditions

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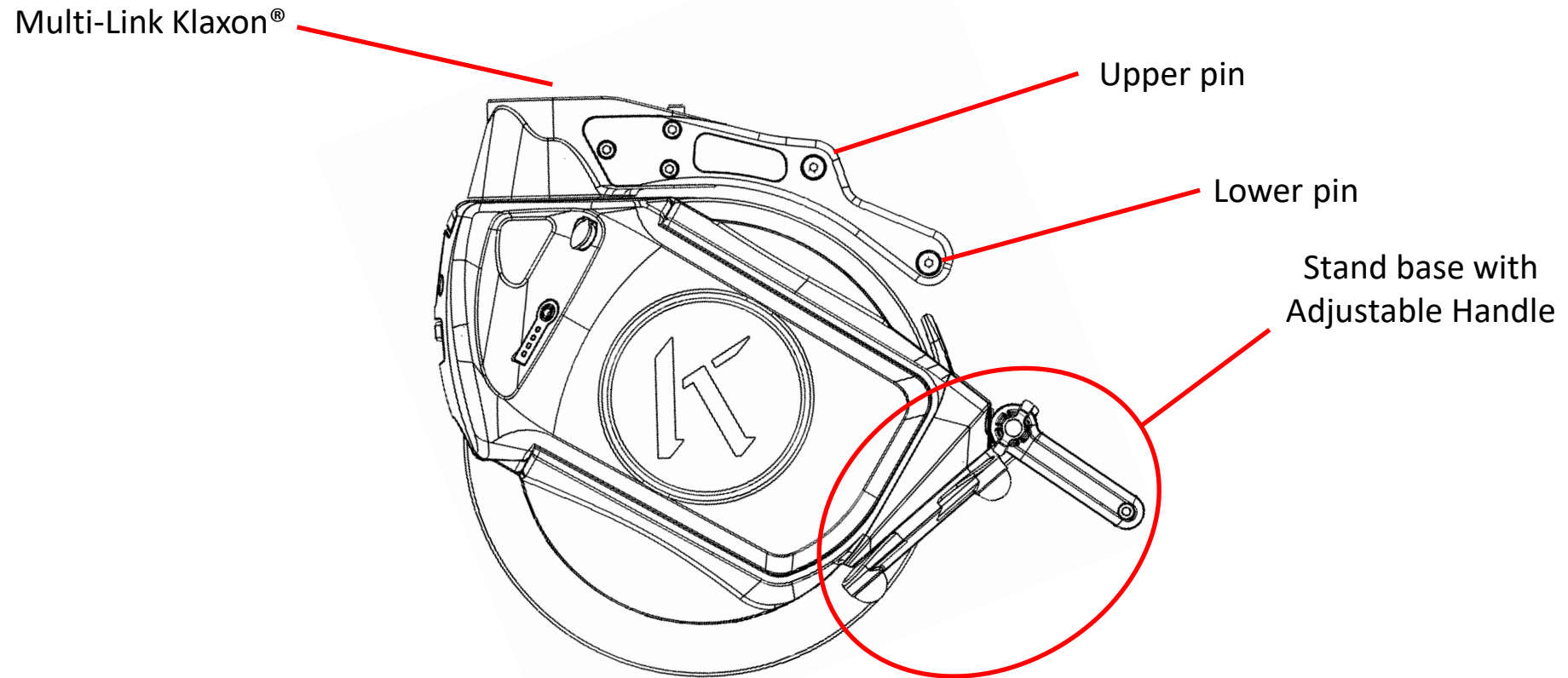
Check that the wheels of the wheelchair are inflated to the correct operating pressure recommended by the wheelchair manufacturer



Description of the components:

Twist

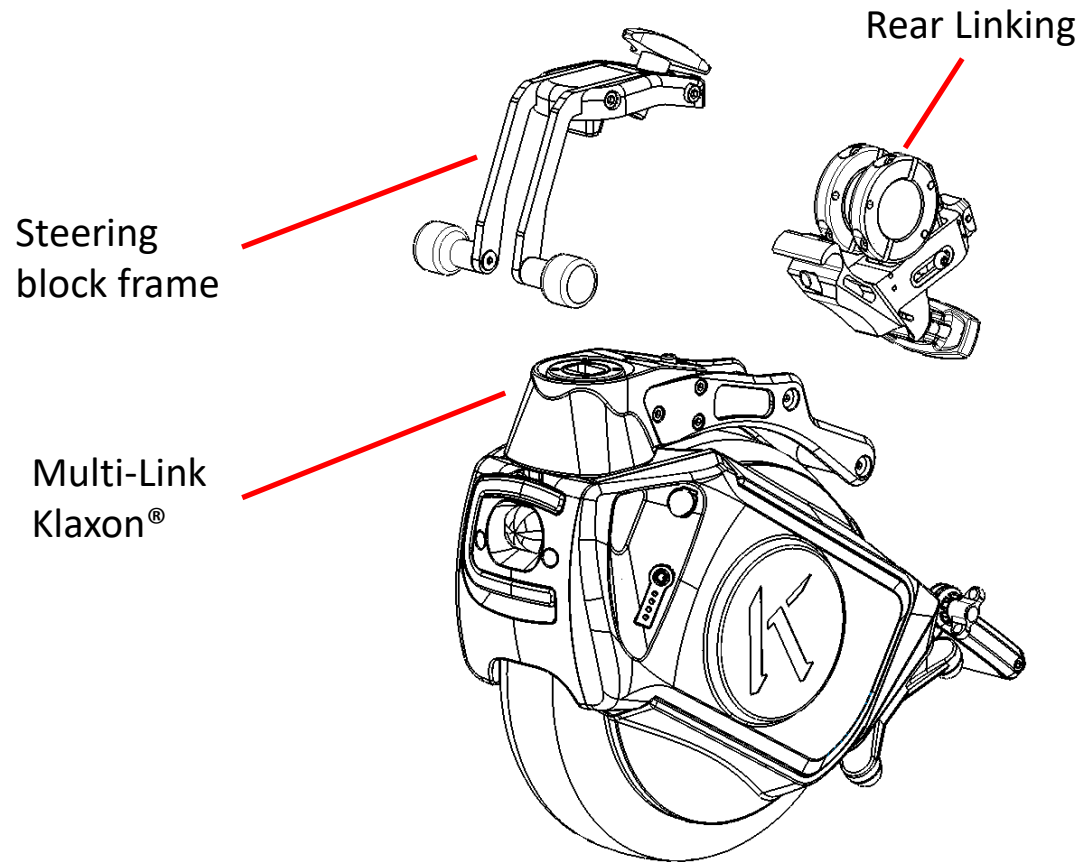
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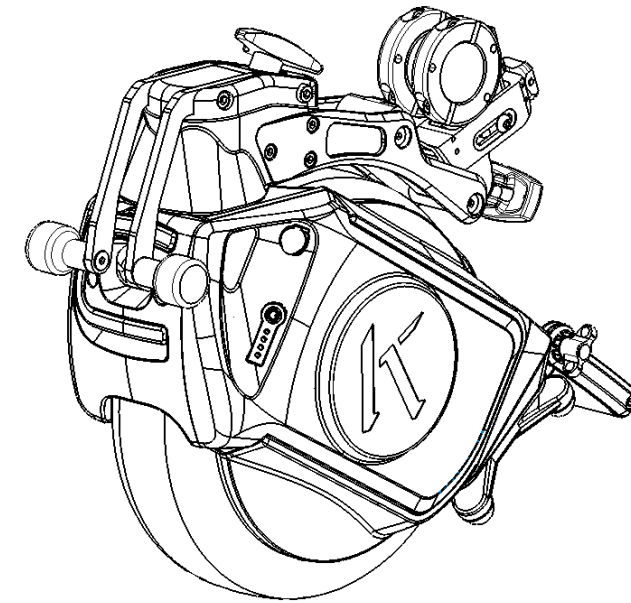
Description of the components:

General view

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Exploded view of the system

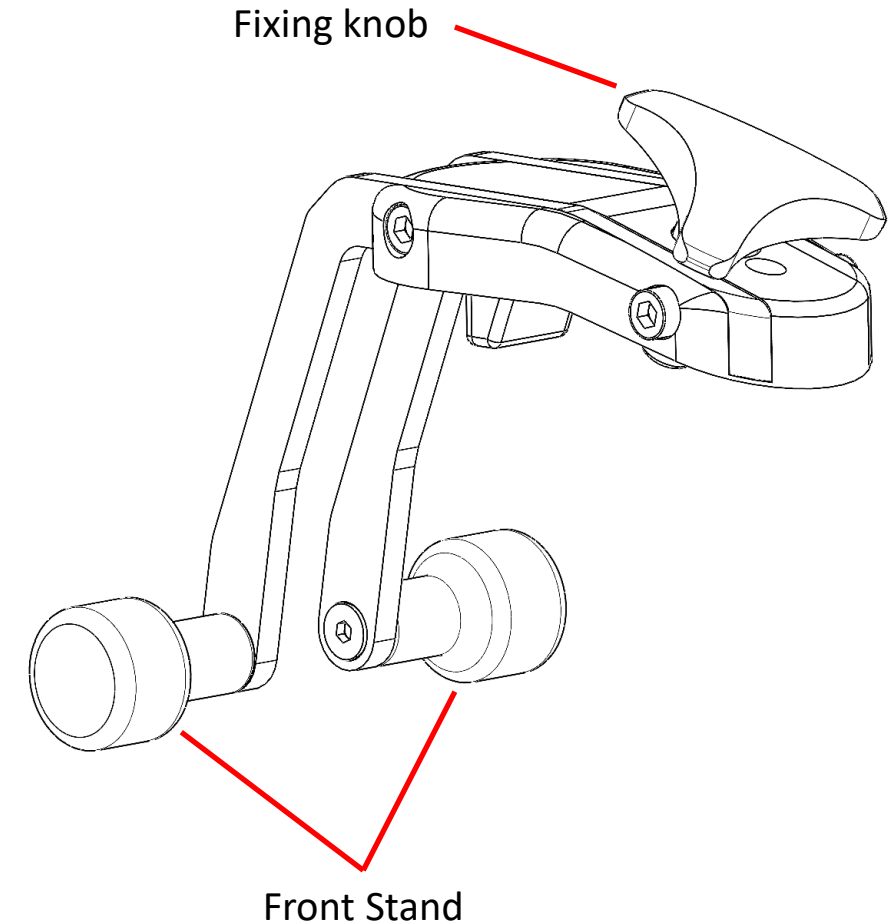


View of the system installed

Description of the components:

Steering Block Frame

- Front Stand: consisting of two plastic supports. When installed this element acts as a new support for the Twist and allows it to be easily mobilised during the linking phase
- Fixing Knob: allows a safe and stable connection to the TWIST device docking station (called Multi-Link Klaxon®)

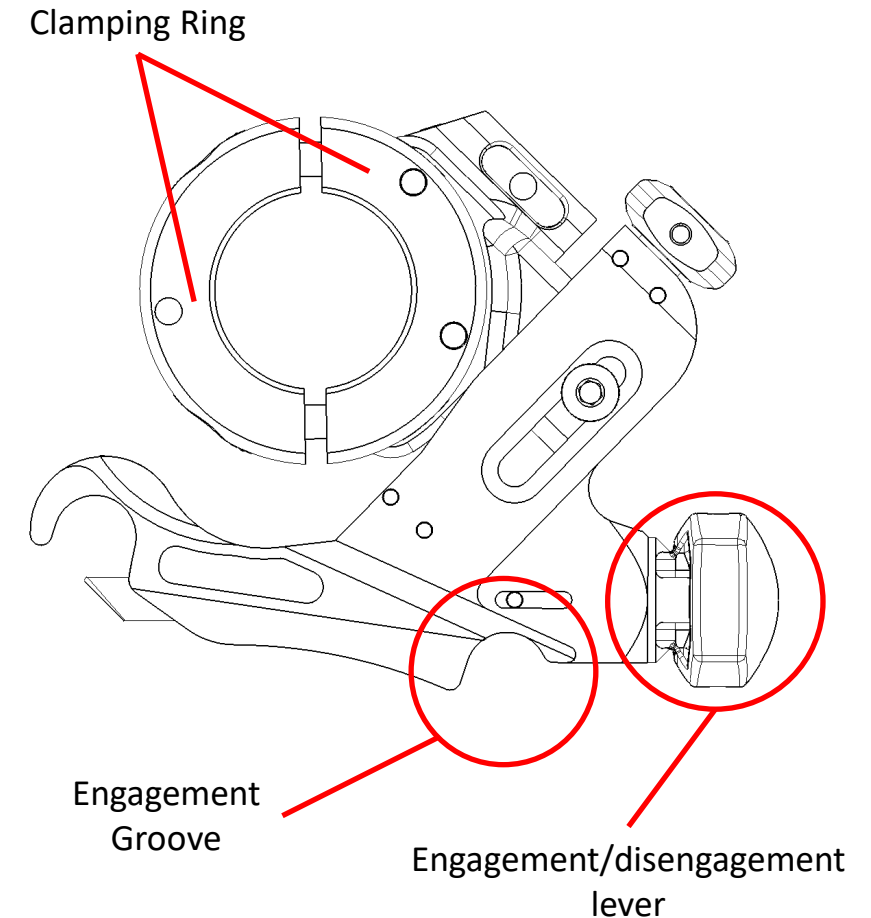


Description of the components:

Rear Linking

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- Clamping ring: allows the installation of the Rear Linking to the wheelchair tube
- Lower pin linking seat: hosts the lower pin of the frame
- Engagement/disengagement lever: secures the system once the system is connected. Pull the toggle lever back from either the left or right side to unlink the system

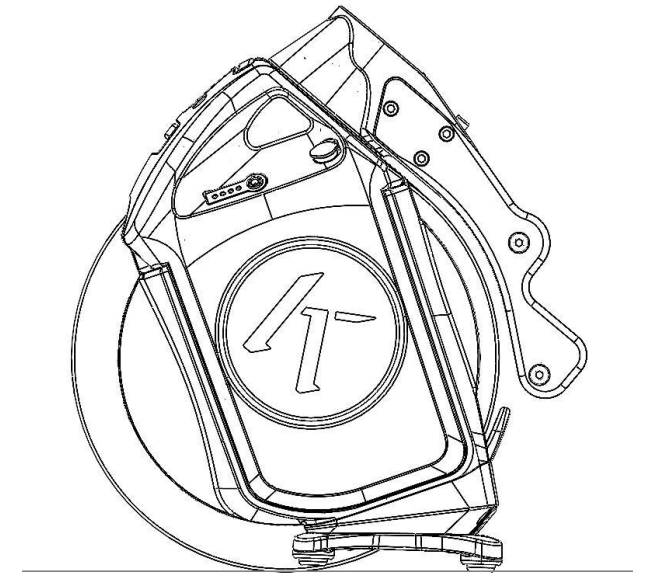


Instructions for wheelchairs with fixed axle:

Mounting the frame

KLAXON®

1. Install the battery on the Twist by inserting it in its housing.
2. Park the Twist on the ground placed on its four-point Kickstand base

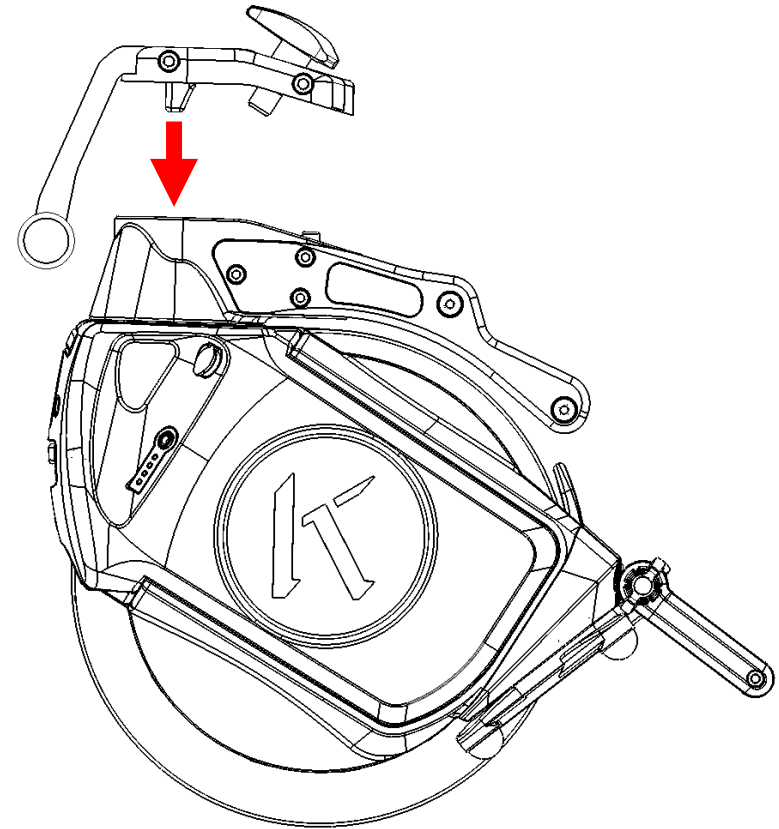


Instructions for wheelchairs with fixed axle:

Mounting the frame

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3. Push the frame at its upper part to engage the frame on the Multi-link Klaxon®

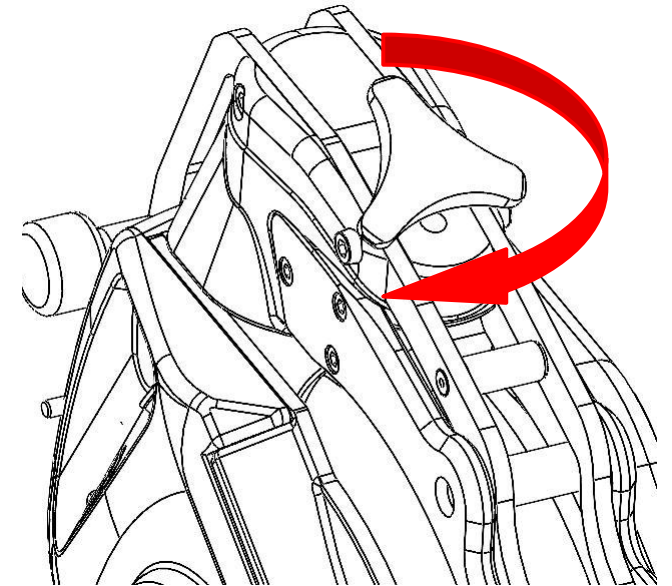


Instructions for wheelchairs with fixed axle:

Mounting the frame

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4. Screw the knob to secure the frame to the Twist

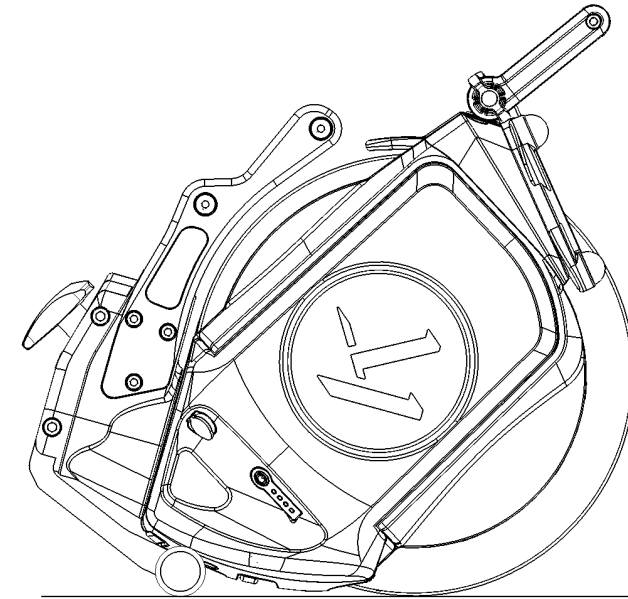


Instructions for wheelchairs with fixed axle:

Mounting the frame

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5. Park the Twist on the Front Stand

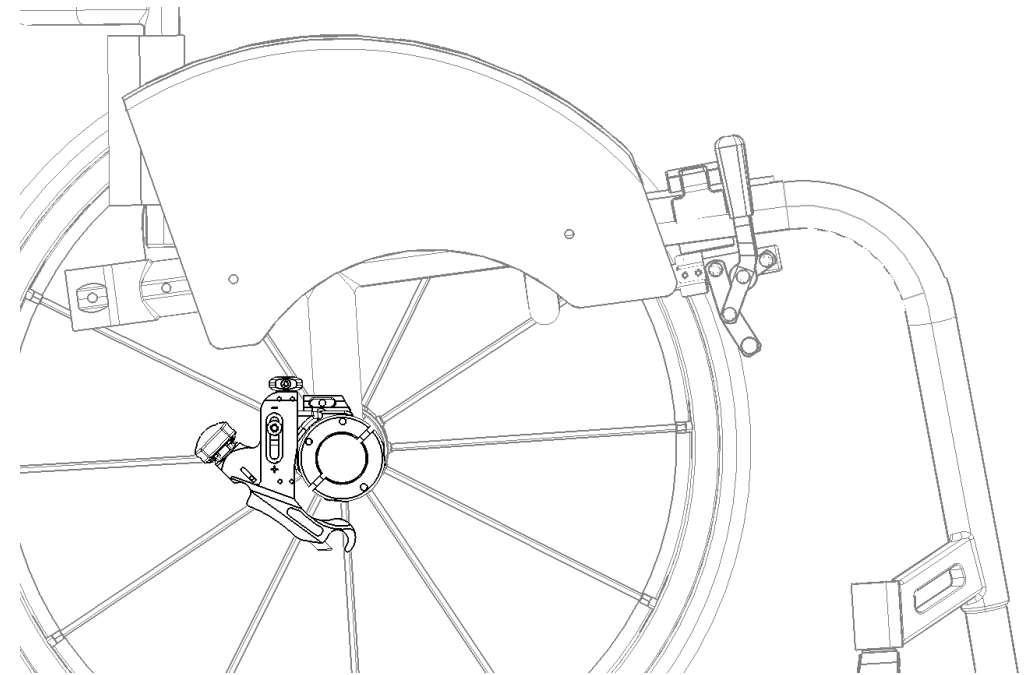
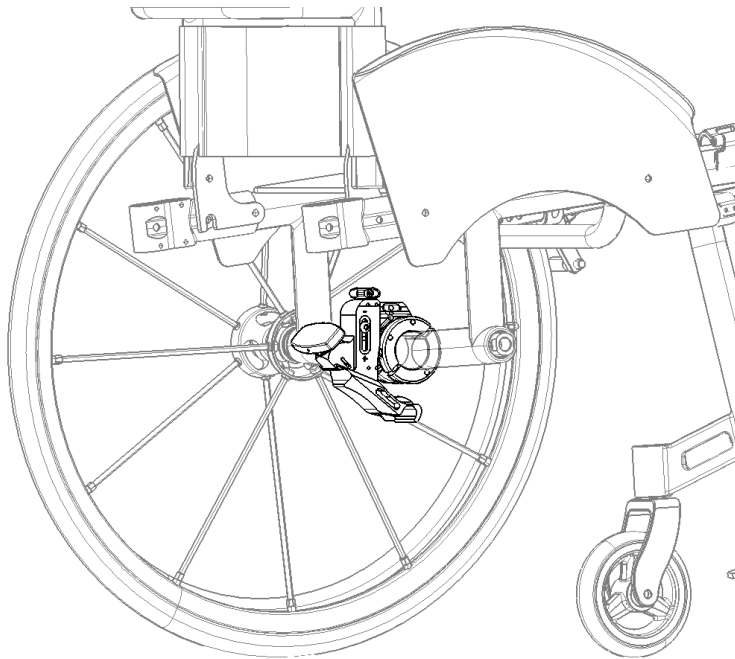


Instructions for wheelchairs with fixed axle:

Rear Linking Setup

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6. Position the Rear Linking on the wheelchair axle as shown in the picture, with the engagement/disengagement lever pointing towards the rear of the wheelchair

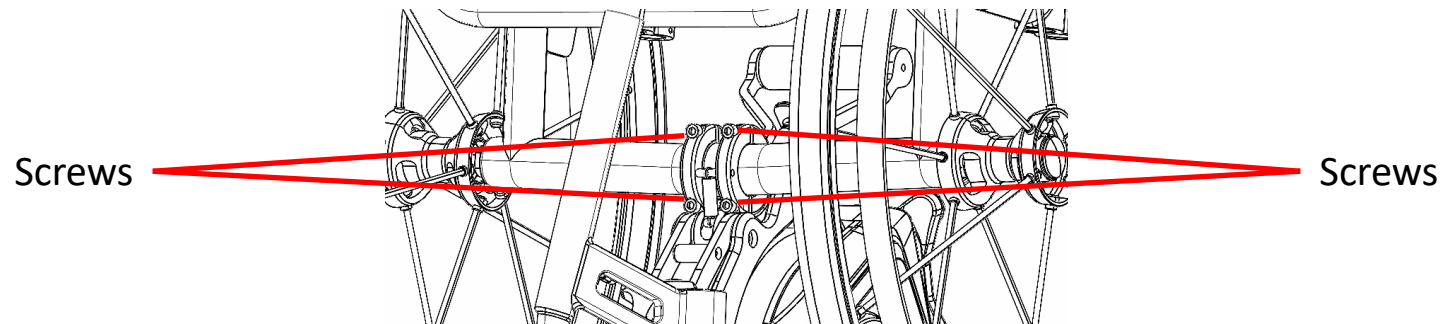


Instructions for wheelchairs with fixed axle:

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Rear Linking Setup

7. Provisionally fasten the four screws on the clamping ring until all backlashes disappear but leaving the clamping ring still able to rotate on the axis to make the necessary adjustments. (Caution: the four screws must be tightened evenly).



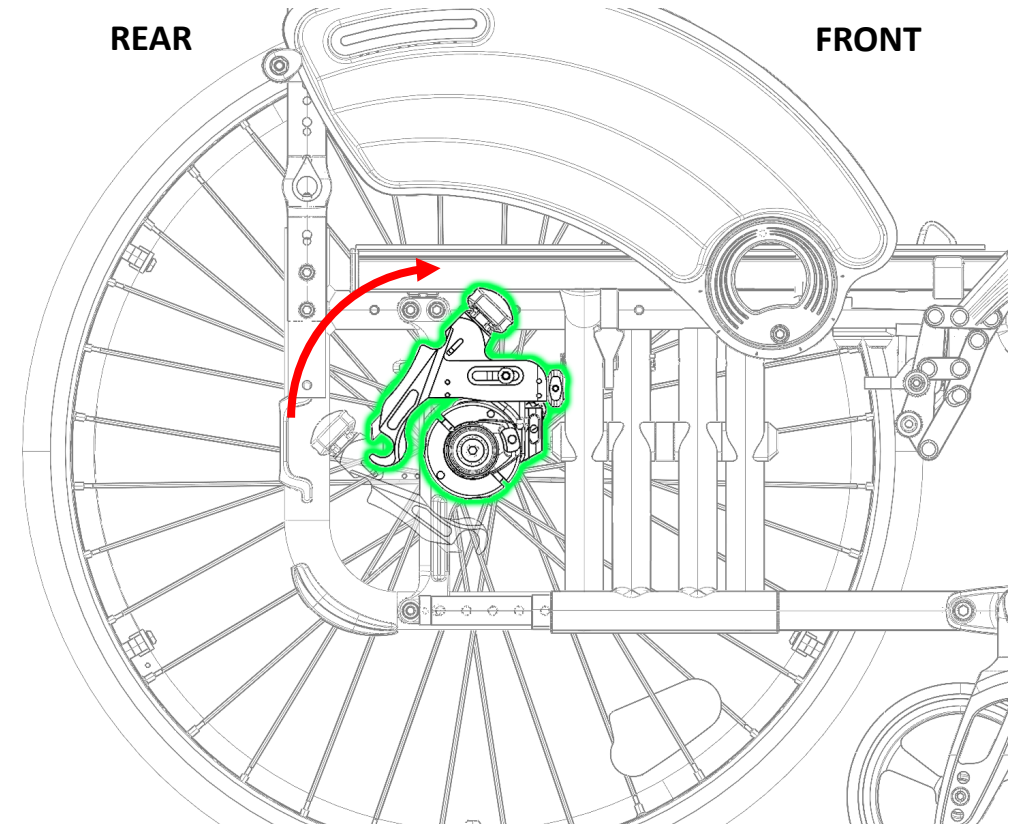
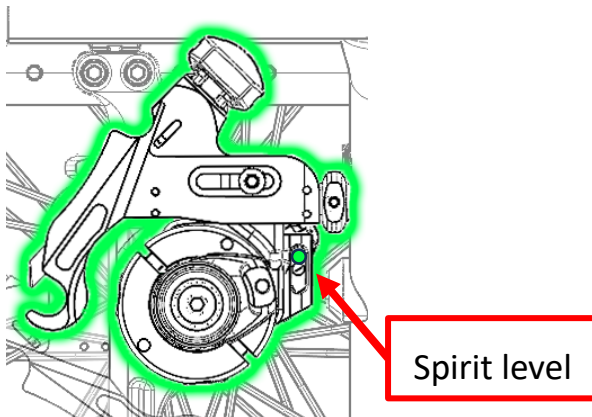
Ensure that the Rear Linking is positioned exactly in the center of the wheel axle to obtain a neutral, central thrust from the motor. Caution: If the motor is mounted off-center, the wheelchair will tend to turn on itself or deviate to the right or left once in motion.

Instructions for wheelchairs with fixed axle:

Rear Linking Setup

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8. With the wheelchair oriented as in figure, rotate the Rear Linking towards the front of the chair until the spirit level is completely vertical or until the rear linking touches the seat of the wheelchair.

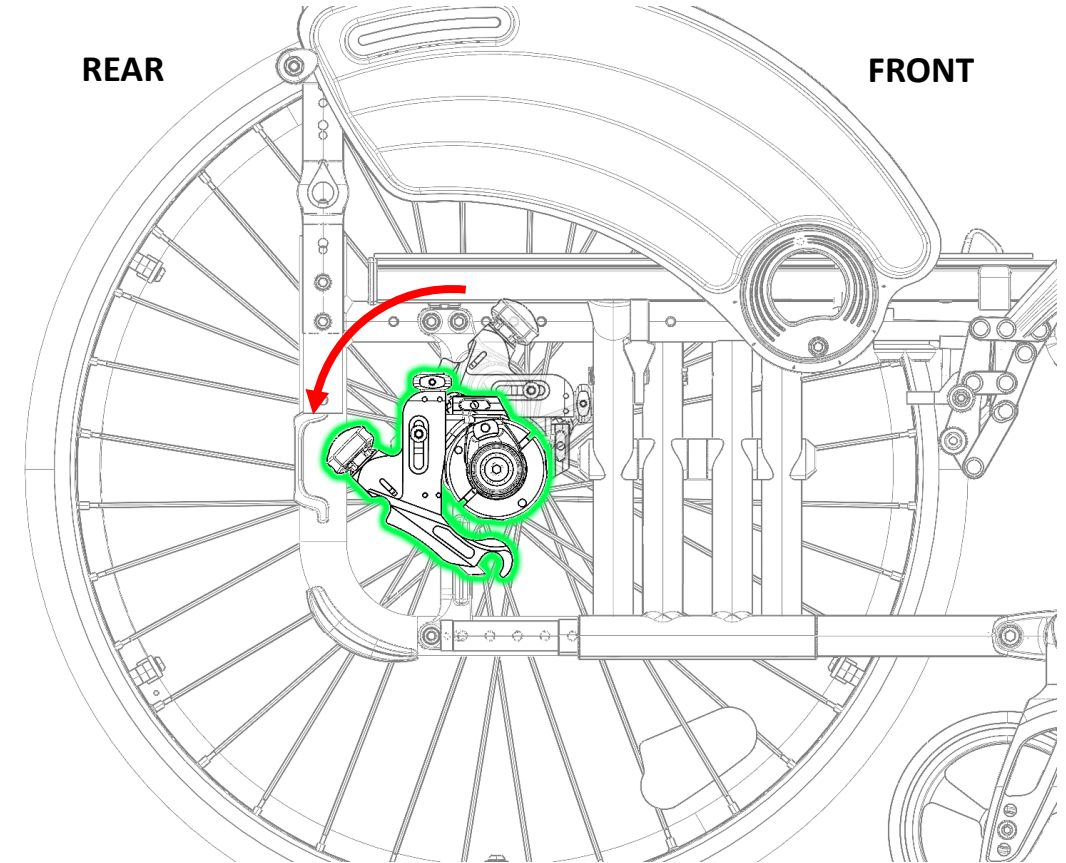
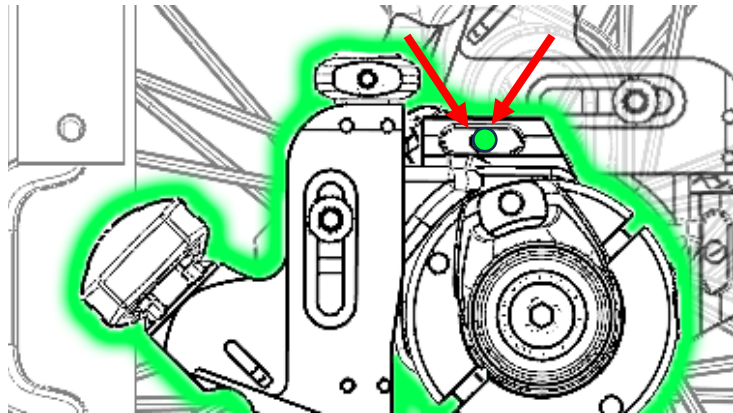


Instructions for wheelchairs with fixed axle:

Rear Linking Setup

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9. Rotate the Rear Linking towards the rear of the chair until the spirit level returns perfectly horizontal.

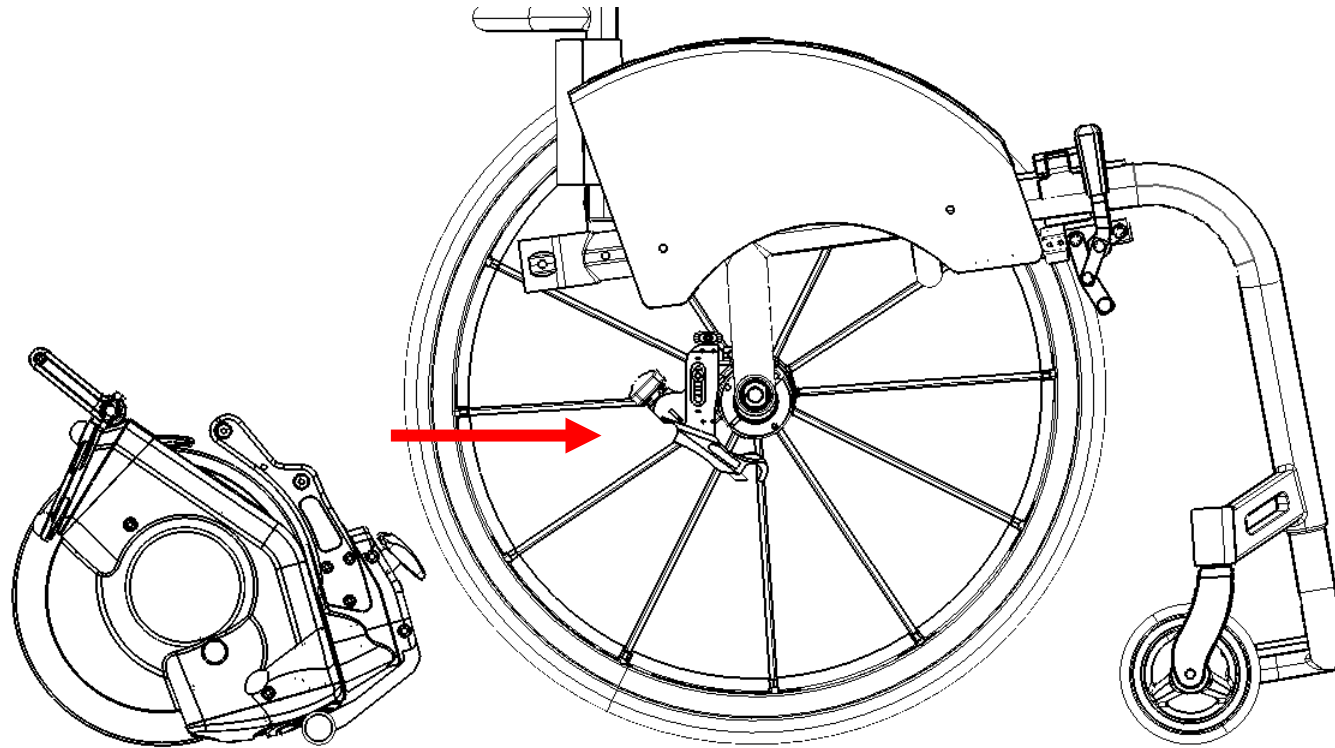


Instructions for wheelchairs with fixed axle:

Linking the Twist at the rear

KLAXON®

10. Place the Twist behind the wheelchair and bring it close to the Rear Linking.

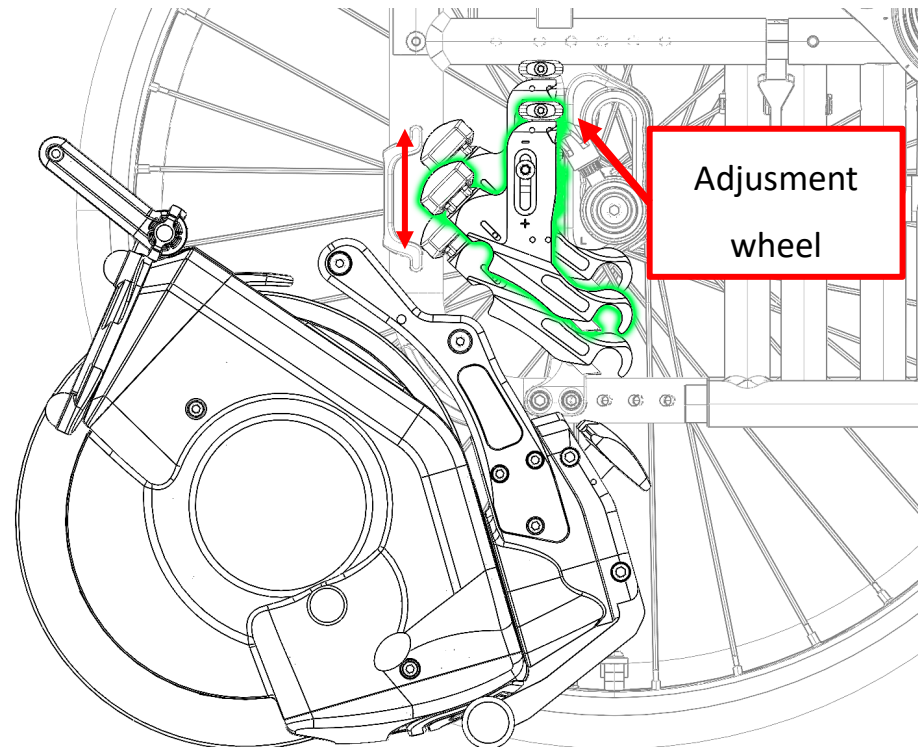


Instructions for wheelchairs with fixed axle:

Linking the Twist at the rear

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11. With the Twist close to the Rear Linking, it is now possible to fine tune the height of the system using the adjustment wheel.

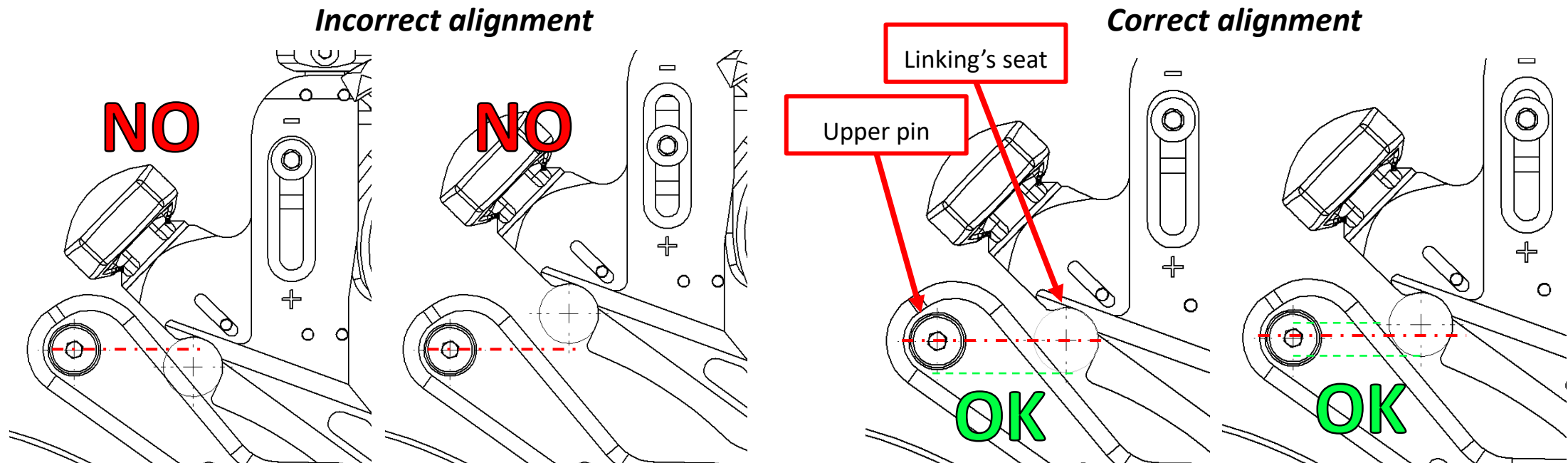


Instructions for wheelchairs with fixed axle:

Linking the Twist at the rear

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Align the upper Pin of the Twist to its correspondent seat on the Rear Linking (see figure below). The upper pin shall be positioned with its center aligned with the center of the linking's seat or slightly below it, as shown in figure.

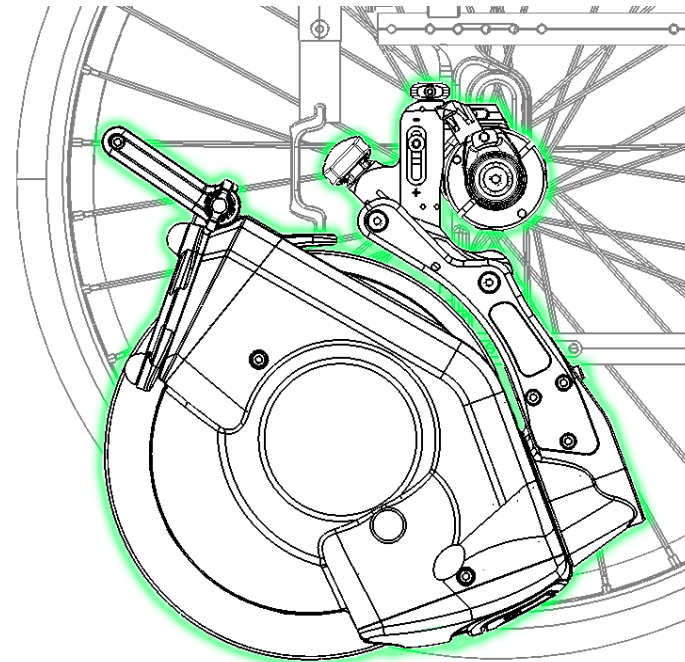
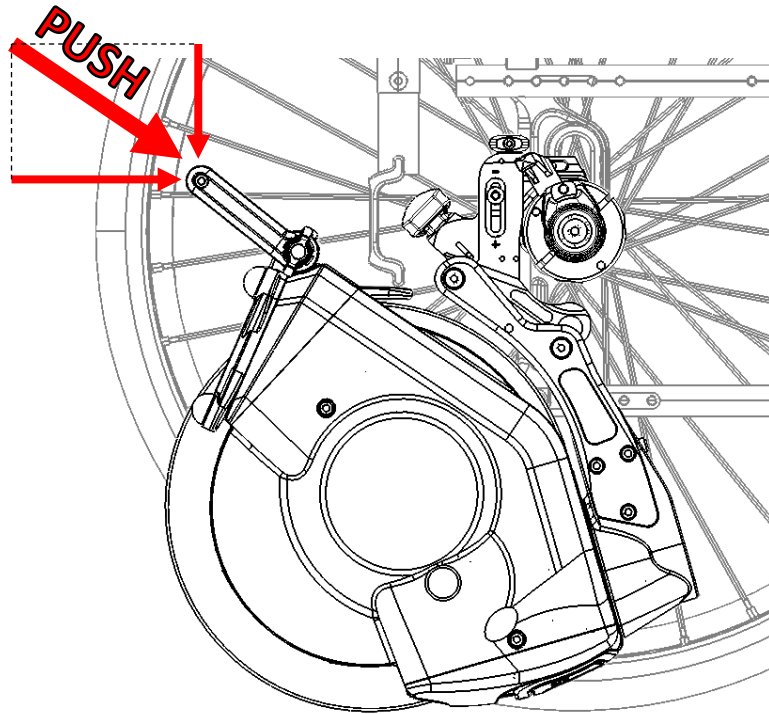


Instructions for wheelchairs with fixed axle:

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Linking the Twist at the rear

12. Connect the Upper Pin and the Rear Linking. Complete the connection by pushing the Twist stand handle forward and downward at the same time.

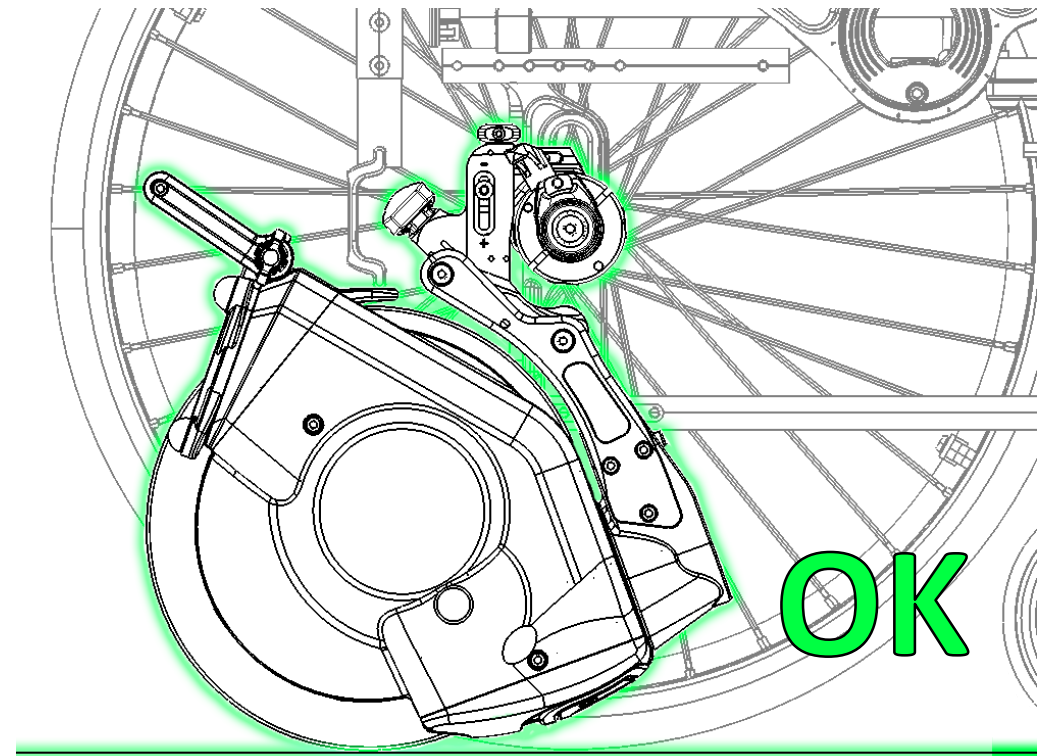
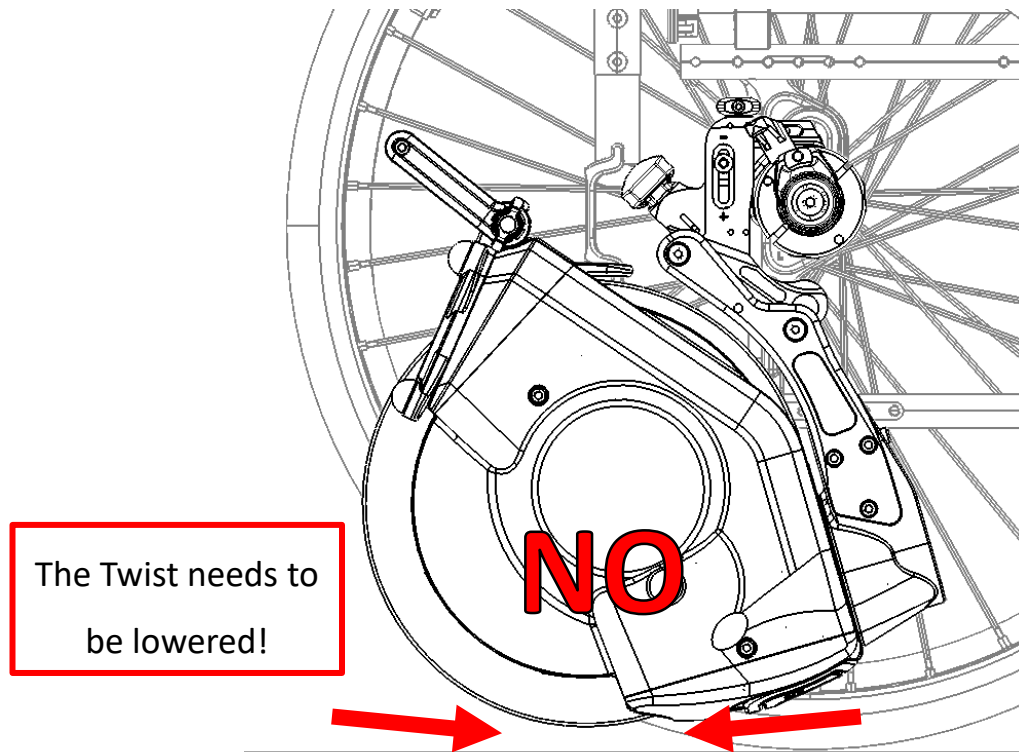


Instructions for wheelchairs with fixed axle:

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Linking the Twist at the rear

13. With the Twist connected to the wheelchair, check for the wheel of the device to be in contact with the ground. If not, lower the Twist intervening on the Adjustment Wheel.

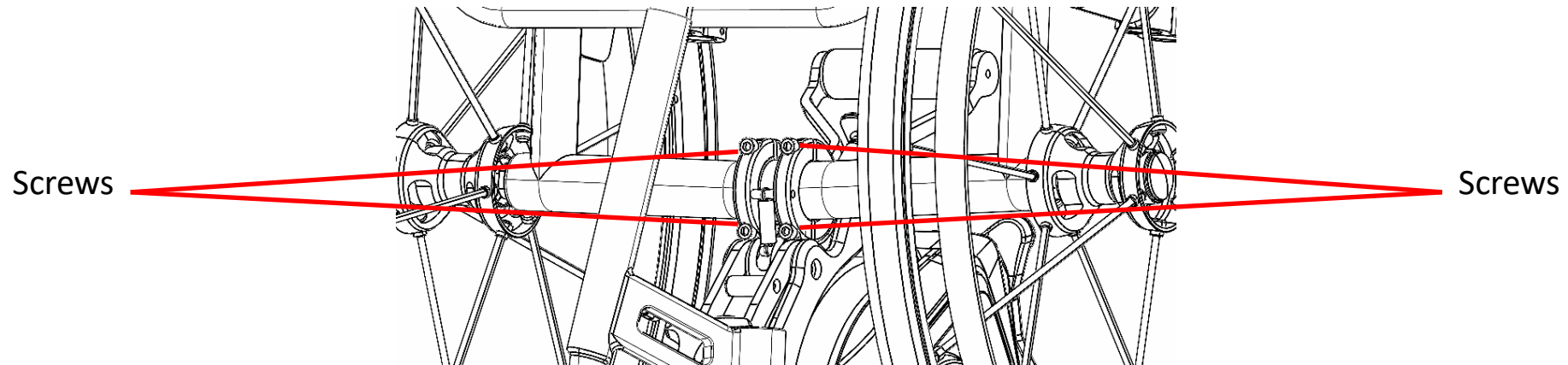


Instructions for wheelchairs with fixed axle:

Linking the Twist at the rear

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14. Tighten the 4 clamping ring's screws definitively. Use a torque wrench set to 10 Nm.



Instructions for wheelchairs with fixed axle:

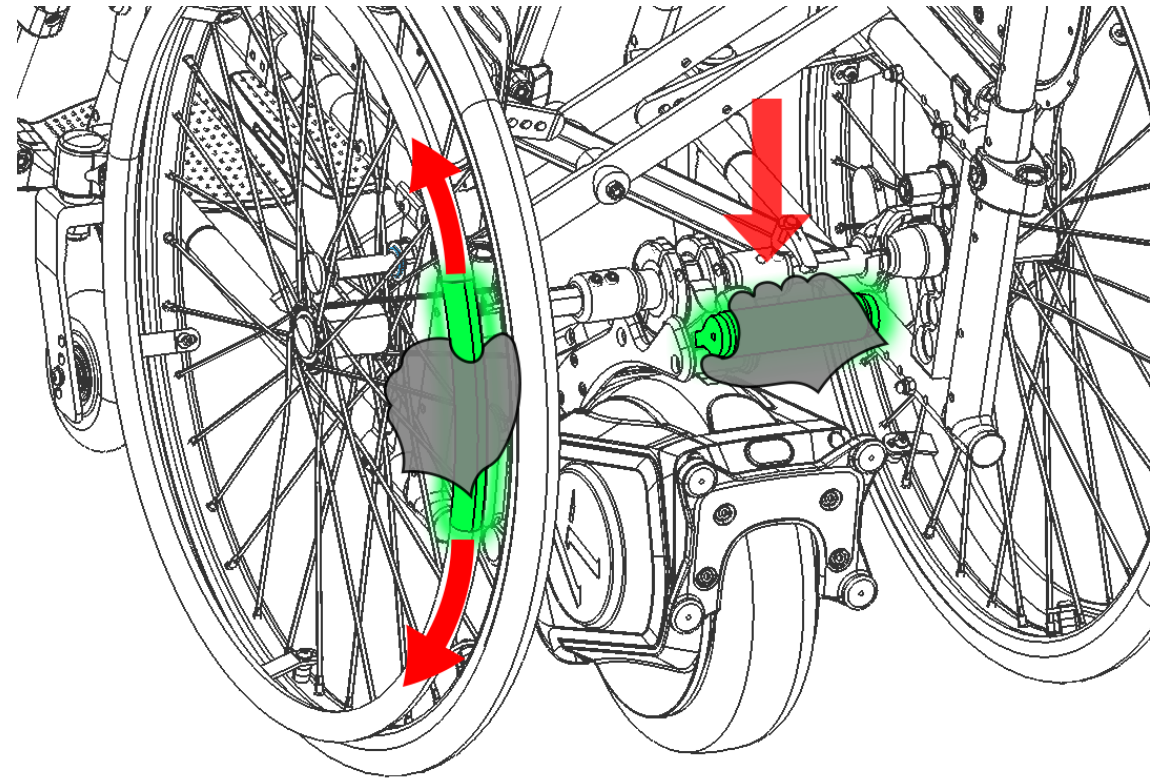
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Final check

15. Have the user leave the wheelchair or unload the equivalent weight.

16. Check that the Twist does not lift the wheelchair's wheels by forcefully pushing the device's stand handle downwards.

If the wheelchair's wheels can rotate, then the Twist needs to be raised with the Adjustment Wheel.

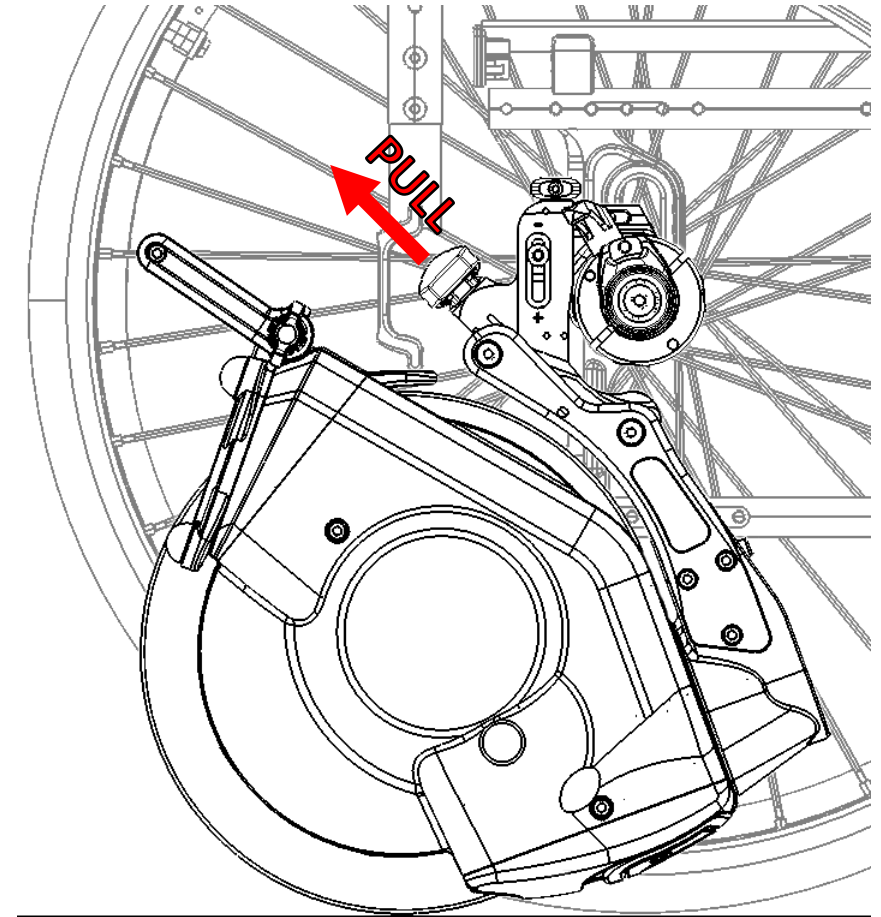


Instructions for wheelchairs with fixed axle:

Final check

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17. Detach the Twist from the wheelchair by pulling the release/engagement lever from either left or right side.
18. Check again that the Twist connects to the wheelchair correctly with and without the user on board. If not, untighten the bolts at step 7 and repeat the steps from 8 to 17.

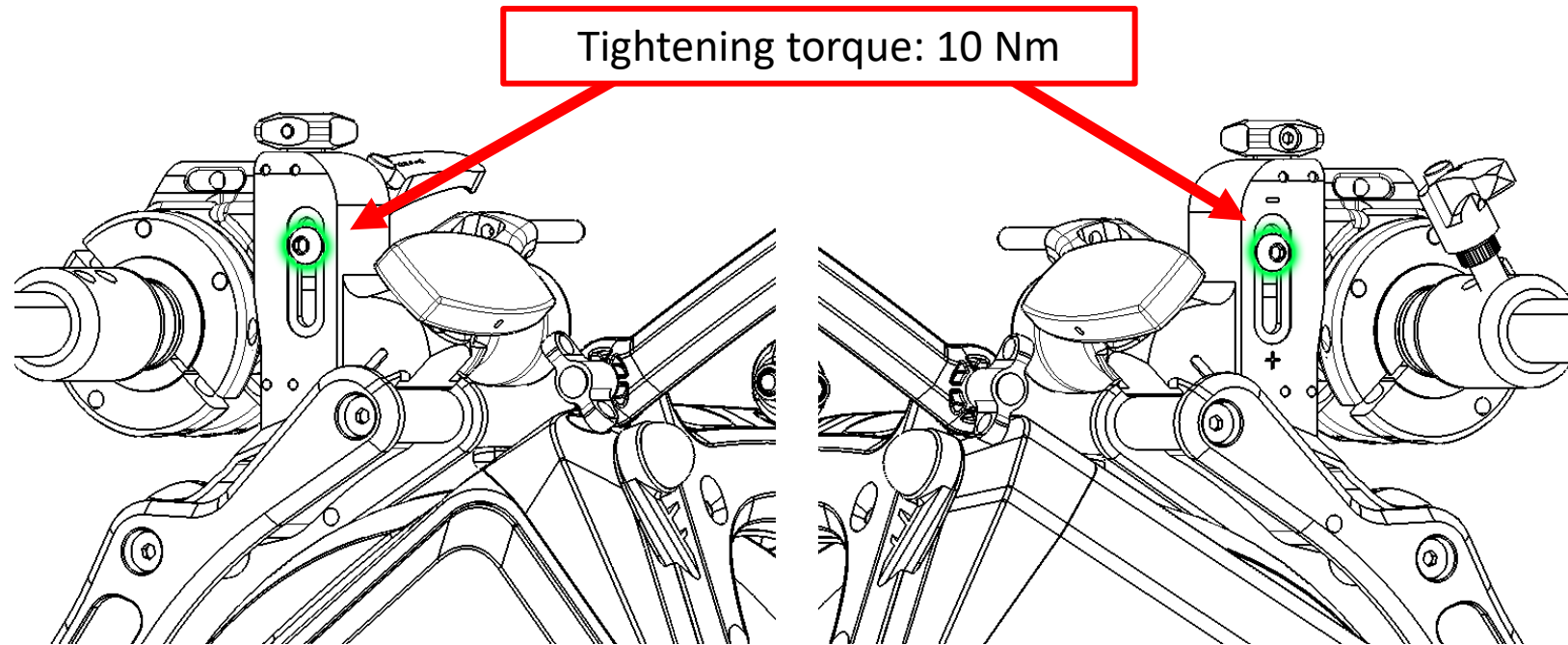


Instructions for wheelchairs with fixed axle:

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Final check

19. With the installation completed, tighten the adjusting screws on the sides of the Rear Linking up to 10 Nm to lock its height in position.





The art of moving