

Tech Tips: C-Leg® 4

To ensure a successful fitting, please refer to the following tech tips. These tips will help minimize problems that could occur while fitting or preparing the C-Leg 4 microprocessor knee for a fitting.

C-Leg 4 Initial Fitting



DO NOT pull the cable located inside the knee joint as it will damage the main electronics.

Note: Previous versions of C-Leg required electronic connection to the tube adapter, however C-Leg 4 does not require the use of an electronic tube adapter therefore this step is no longer required.

- Charge the knee before first use for a minimum of 3 hours.
- To wake the knee up from a sleep state, connect the charger to a power source and then to the knee.

Note: When disconnecting the charger, the knee joint will perform a self-test (one beep, one vibration signal).

- To fully shut down the knee, connect and disconnect the charger 3 times. A wait time of approx. 2 seconds is required in between the connections.

Note: After disconnecting the charger 3 times, a descending sequence of 5 beeps will sound before the knee switches off.



- When connecting to the C-Leg 4, use the 60X5 dongle not your PC Bluetooth module.

Ensure that Bluetooth is active in the knee. The knee will be delivered with Bluetooth deactivated.

To activate Bluetooth:

- Connect the charger to a power source and to the knee. A Bluetooth connection will be activated for 2 minutes or
- Turn the knee 180° (upside down). A Bluetooth connection will be activated for 2 minutes.

To permanently activate Bluetooth:

- Select the applicable Bluetooth setting in the Cockpit app or the remote control.



- To shorten and install the tube adapter:
 - 1) Determine the desired tube length by using the adjustment software
 - 2) Use a tube cutter to shorten the tube to the required length
 - 3) Smooth the inside and outside of the cut edge
 - 4) Slide the tube adapter 50 mm into the knee joint

Note: Adjustments to the insertion depth between 40 mm and 55 mm are permissible (e.g., slide in 5 mm and pull out 10 mm)

- The knee extender pushes an otherwise flexed knee into full extension. Insert the knee extender at the start of every fitting to ensure correct static alignment. This is

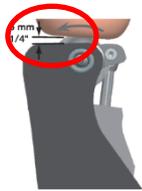
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critical for reliable swing initiation. **DO NOT** remove the flexion stops prior to inserting knee extender.



DO NOT allow the socket to come in contact with the hydraulics or the carbon frame (anterior) as this will damage the knee joint. Verify socket alignment with every C-Leg 4 fitting to ensure that the space between the hydraulics and socket is at least 3 mm. *Note: Should you remove the flexion stops to allow for more flexion, please double check that the space between is at least 3 mm.*



DO NOT allow the socket to come in contact with the electronics module (posterior) as this may damage the knee joint. Verify socket alignment with every C-Leg 4 fitting to ensure that the space between the socket and the electronics is at least 5 mm without the Protective Cover and at least 10 mm with the Protective Cover.

Note: This is especially important when switching a patient from previous versions of C-Leg to C-Leg 4. The replacement is not 1:1 as the position of the C-Leg 4 pyramid leaves less space. When fitting or trialing the C-Leg 4 with an existing socket, please pay special attention to the points above.



- Swing phase extension basic resistance is only active during slow walking. Make sure your patients walk slowly when setting the basic resistance for swing extension.



- Calibrate after every alignment adjustment (calibration is done while the patient is standing and the knee joint is loaded).

Note: Balanced load with both feet aligned in parallel is essential for right calibration. Calibration in not parallel position (e.g. step position) might occur inaccurate swing initiation.



WEATHERPROOF

- C-Leg 4 is considered weatherproof against exposure to fresh water, but is not corrosion resistant. As a result, avoid prolonged submersion in fresh water and/or contact with salt or chlorinated water.

If the knee joint accidentally comes into contact with salt water or chlorinated water, it must be rinsed with fresh water immediately.

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After contact with water, remove the Protective Cover and hold the knee joint with the sole of the foot facing up until the water has drained from the knee joint and/or tube adapter.

Dry the knee joint and components with a lint-free cloth and allow to fully air dry before using again.

- Switching MyModes in C-Leg 4 via a movement pattern is different compared to previous versions. The patient needs to position the knee joint back slightly and then bounce on the toe exactly 3 times (for MyMode #1) or 4 times (for MyMode #2). Immediately following the third bounce, reposition the leg next to the contralateral side and keep it still for approximately 1 second. A second round of beeps and vibration will indicate which mode the patient has activated.

