

◆ Making Optimum Load Brake Adjustments(NI-C1series) ◆

The load brake requires adjustments for each amputee since the brake condition varies according to his/her weight and alignment.

A tightly adjusted load brake is very dangerous because the brake may suddenly engage due to the foam cover when the amputee sits on a chair. It may also stick when he/she goes down a slope or stairs.

Referring to this manual to adjust the load brake enables you to make an easy and correct adjustment.

【Step 1】

Prepare the supplied hex (Allen) wrench. Make an adjustment from the rear of the amputee's knee with him/her standing. For safety, make this adjustment where the amputee can support his/her body with a handrail or the like. Steps 2 - 5 are the same as in "Example 1" above.

【Step 3】

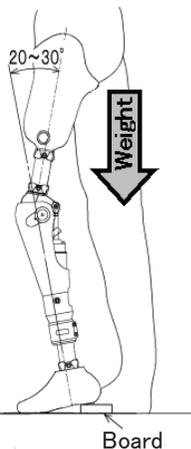
Checking the load brake:

Place a board under the heel of the knee joint so that the knee bends 20-30 degrees, and then check the state of the load brake by having the amputee put all his/her weight on the knee joint.

The brake should not work at this point.

If the load brake works, repeat step 2.

* For safety, make this adjustment with the amputee standing between parallel bars or near a handrail.

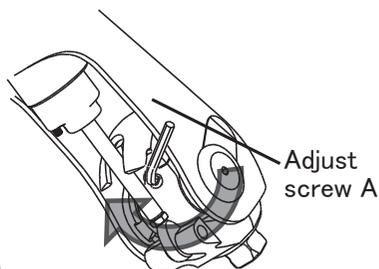


【Step 2】

Turn adjustment screw "A" clockwise with the hex wrench until the brake is released, as shown in the diagram.

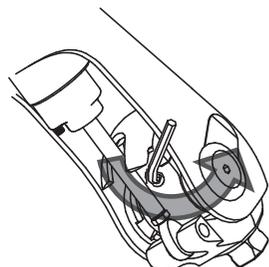
(Before shipping, the NI-C111t is set to the standard adjustment.)

[Warning] Do not hit the hex wrench against the rod of pneumatic cylinder.



【Step 4】

Turn adjustment screw "A" counterclockwise (the direction in which the brake works) by approximately 15°.



【Step 5】

Check the load brake as shown in step 3. When the load brake works, put the foam cover on the knee joint and then check that there is no change in the brake force.

Check that normal movements, such as sitting down, are not impeded.

If the brake does not work, repeat step 4 again.

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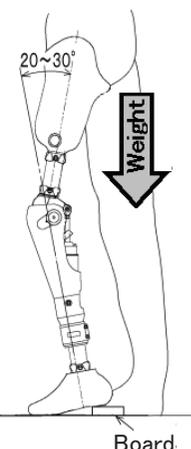
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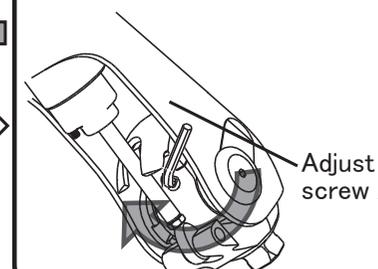


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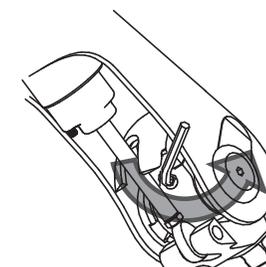
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