

## Maintenance NEURO SWING Carbon

This online tutorial shows the maintenance of our water-resistant system ankle joint:

- NEURO SWING Carbon

The system components must be regularly checked for wear and functionality every six months. Here, we give you a detailed overview of the work steps to be taken at every maintenance.

You will find further information on the system ankle joint in the [instructions for use](#).

You can find the online tutorial for the [joint assembly NEURO SWING Carbon](#) in the section Producing the Orthosis.

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## Step 1/11



You can find information on system components that have to be checked particularly carefully during maintenance in the instructions for use under "Maintenance".

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Demount the spring units in order to examine them. Check if the system joint moves without lateral play.

### Step 3/11



Hold the lower leg shell and try to move the foot shell in pronation-supination direction.  
If there is lateral play, this can indicate loosened screws and/or worn out sliding washers.

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Check if there is play around the axis. If there is play, the bearing nut and the sliding bushing should be replaced if necessary.

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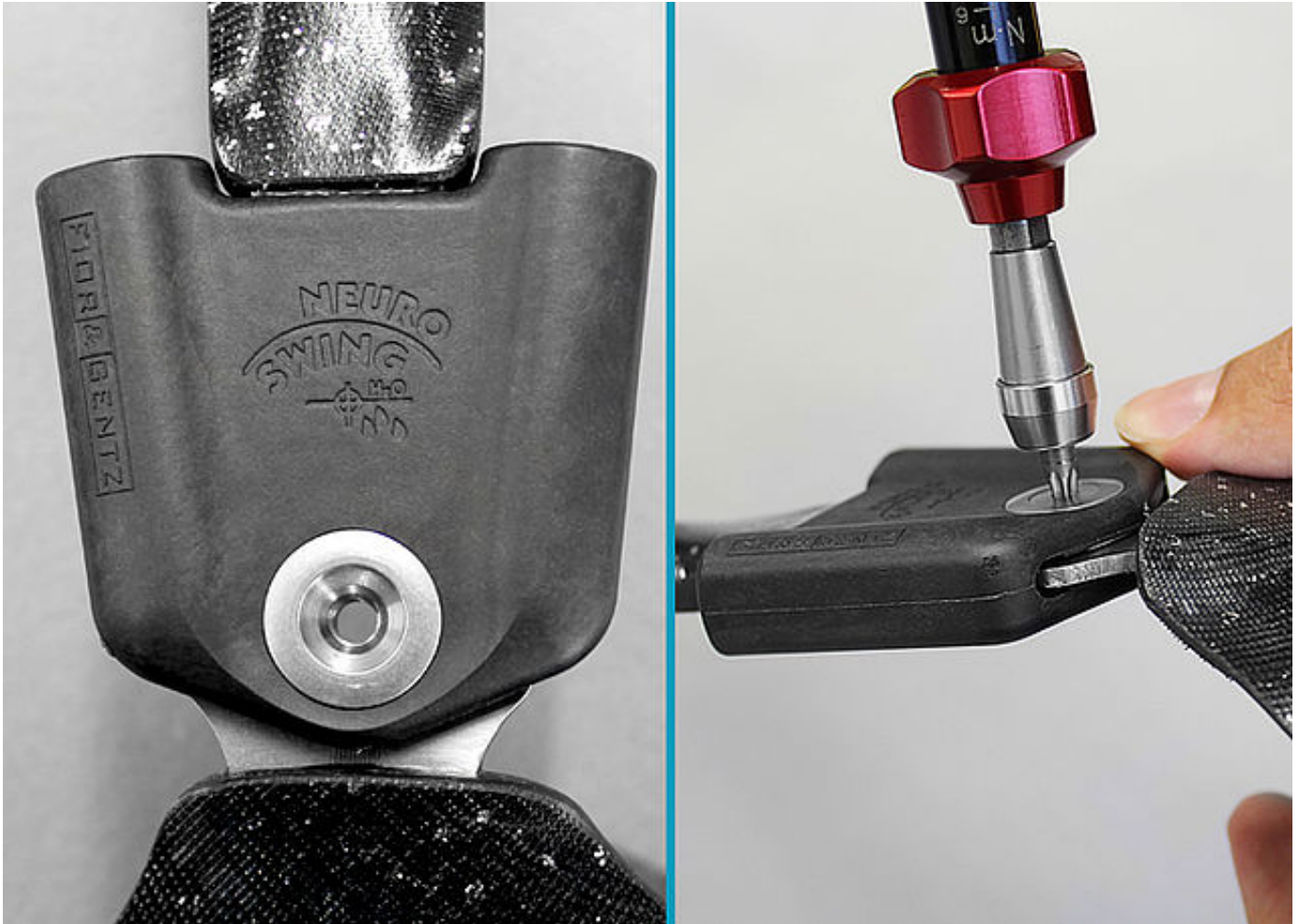






Check if the system joint moves freely. Bring the system joint in plantar flexion/dorsiflexion. If the system joint does not move freely, mount the next thinner sliding washer or clean the system joint thoroughly.

*Note: at a bilateral orthosis, only check one system joint at a time.*



Disassemble the system joint completely. Clean all component parts and check them carefully.

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- damaged sliding washer
- worn out bearing nut
- worn out sliding bushing
- worn out screw

Replace component parts if they are worn out.



Replace the sliding bushing if it is worn out.

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## Step 9/11



Replace the spring unit in case of loud noise generation and/or a reduced spring force or a limited range of motion.

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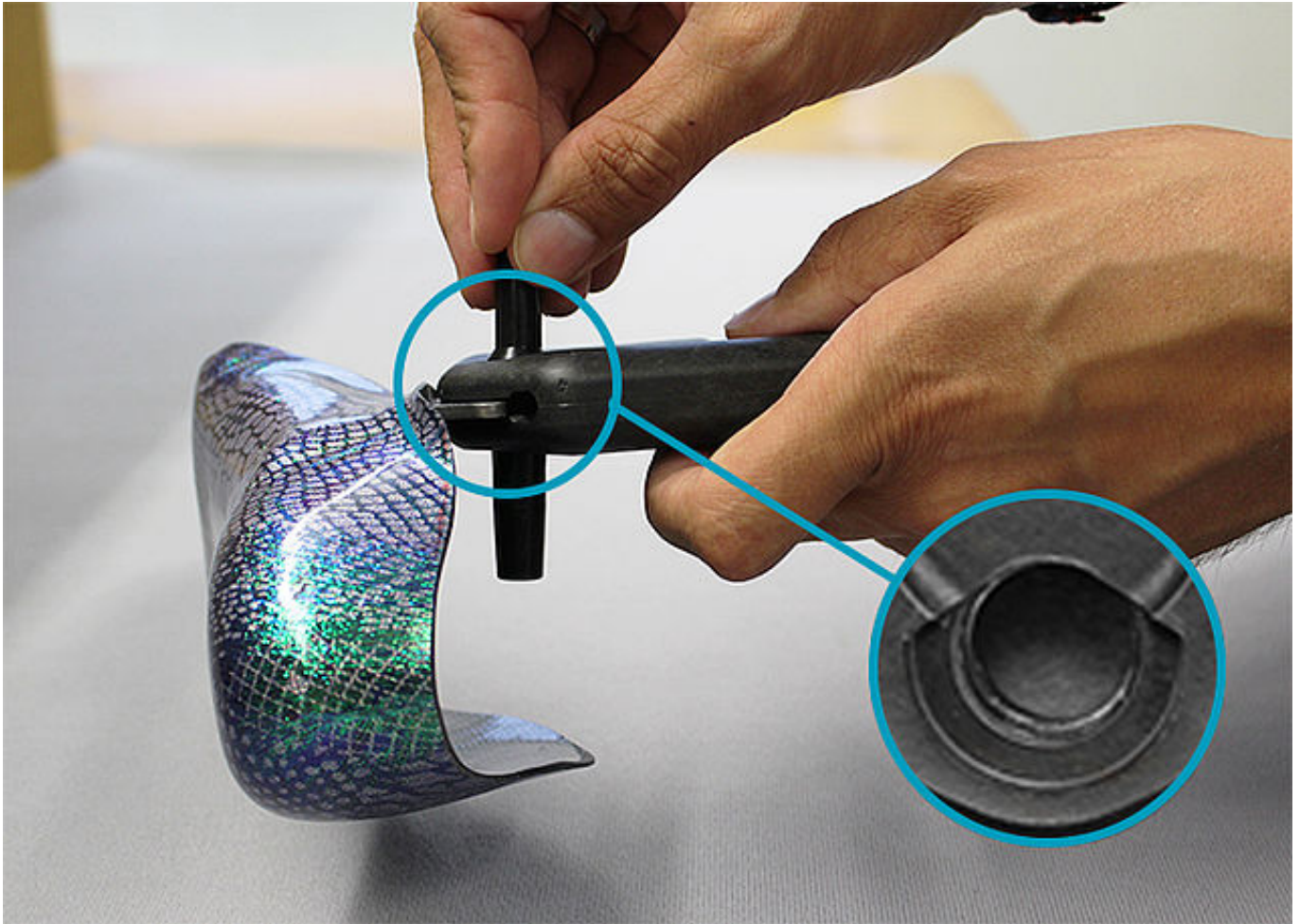
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Check the O-ring for securing the spring unit. Replace the O-ring if it is worn out.



Note the online tutorial for the [joint assembly NEURO SWING Carbon](#) in order to reassemble the system joint.

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