

EXCHANGING THE TACTILE SENSOR CONTROLLER OF THE SDH

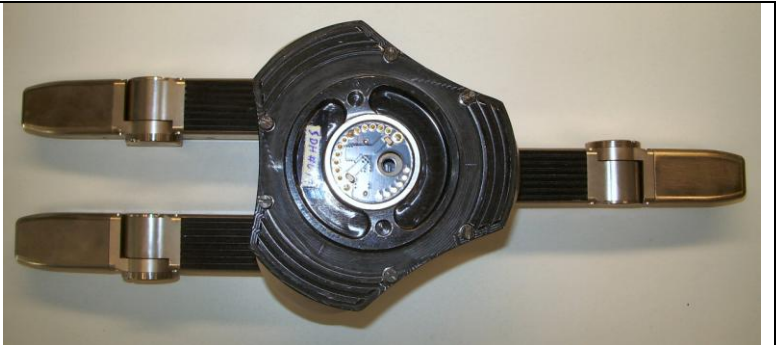
To exchange the tactile sensor controller DSACON32m of the SDH please follow the steps below.

Attention: Since you will get in contact with sensitive electronic parts of the SDH please take precautions to avoid electro static discharge (ESD). This can be done by wearing ESD conforming shoes, an ESD protection wristband or a ESD support plate. In case none of these is available it might be sufficient to “electrically ground” yourself before touching the sensitive parts. This can be done e.g. by touching the bare metal surface of a grounded housing or a grounded radiator.

Disassemble the body:

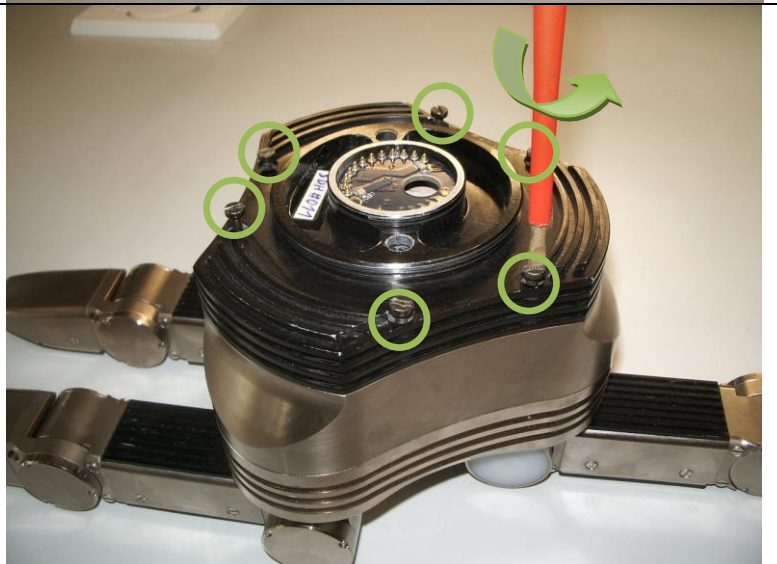
Step 1:

Start by unmounting the SDH from the robot and place it on the desktop like indicated in the picture.



Step 2:

Unscrew the 6 black screws as indicated by the green circles/arrows.



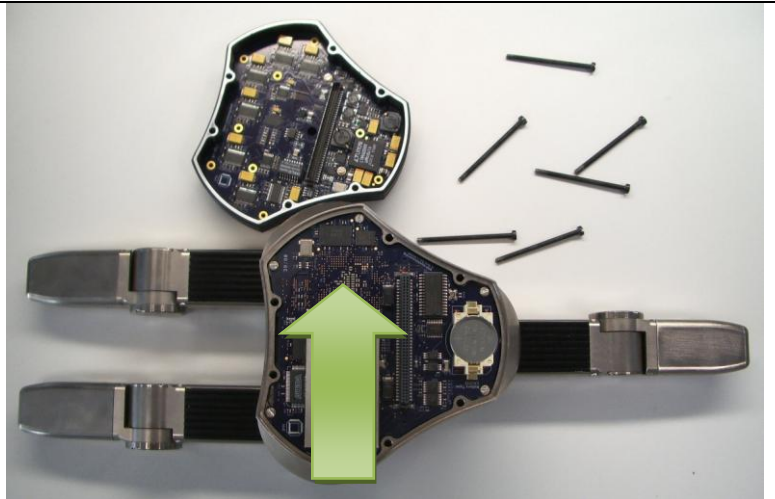
Step 3:

After removing the screws, lift the black body part of the SDH from the silver parts of the SDH as indicated by the green arrows.



Step 4:

Put the black body part aside. The tactile sensor controller DSACON32m within the green circle is simply plugged in to the SDH control electronics. This one must be exchanged.

**Step 5:**

To remove the DSACON32m grab it with 2 fingers and lift it straight up as indicated by the green arrows.

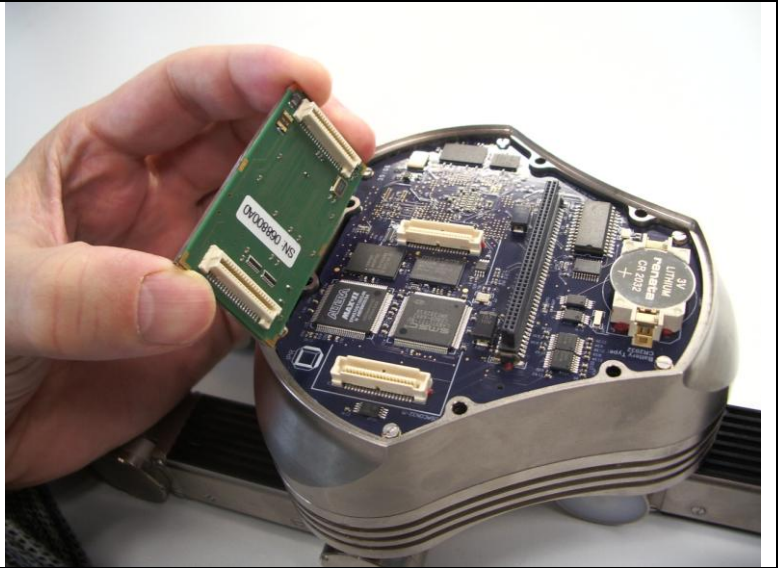


Reassembling the body of the SDH:

Step 1:

Now you have successfully removed the tactile sensor controller DSACON32m from the SDH.

Exchange it with a new one and follow the next steps to reassemble the body of the SDH again.



Step 2:

Insert the new DSACON32m as indicated by the green arrows. The connectors are mechanically encoded and thus the controller can be mounted in the correct orientation only.

In order to completely insert the controller apply pressure on both sides simultaneously until it is completely plugged in.



Step 3:

Place the black body part of the SDH on top of the silver parts of the SDH as indicated by the green arrows. Before applying pressure make sure that the orientation is right and that the internal board to board connectors fit into each other.



Step 4:

Reinsert the 6 black screws and screw them in as indicated by the green circles/arrows.

**Step 5:**

Congratulations! You are done and have successfully exchanged the tactile sensor controller DSACON32m of the SDH.

