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# NIFTi maintenance instructions

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## Opening the body

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## History

Revision	Date	Author	Description of changes
0.1	03.05.11	Patrick Balmer	Initial version
0.2	28.7.11	Patrick Balmer	Minor changes
0.3	24.04.12	Patrick Balmer	Minor changes

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## Opening the body

### 1.1 Preliminary notes

The body must not be opened without electrostatic protection.

Always use an antistatic carpet and an antistatic bracelet connected to the robot, to the operator body and to the earth..

#### IMPORTANT!

Opening the body without electrostatic protection can lead to damages on electronic components.

### 1.2 Procedure

The fuses are found either on the Power PCB or on the 3D sensor PCB. To access the fuses, the platform body has to be opened.

- 1) Remove the battery cover and the battery.
- 2) Remove the 18 side screws of the cover.

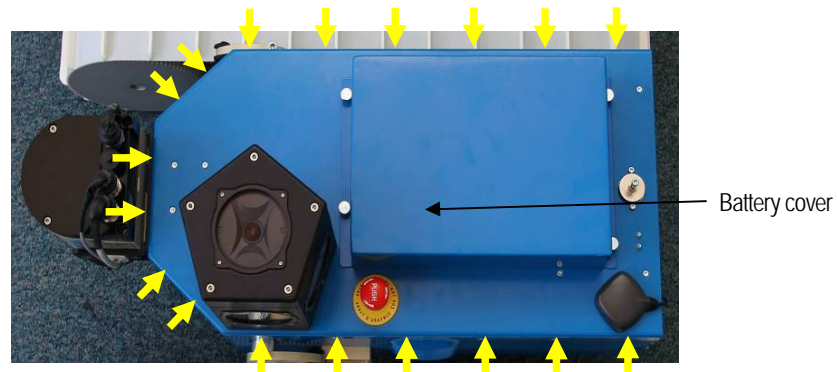


Figure 1. Top view of the platform

- 3) Remove the 7 top screws of the cover (purple).
- 4) Remove the 4 screws of the power PCB (yellow).

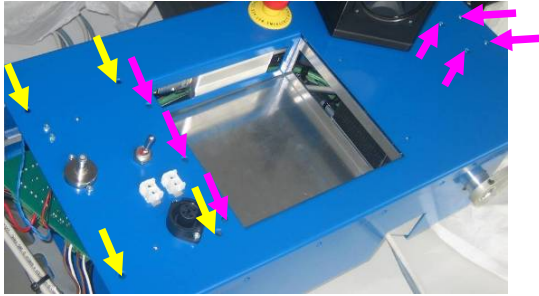


Figure 2. Remove 7 top screws and the 4 screws of the power PCB

- 5) Remove gently the cover from the platform.

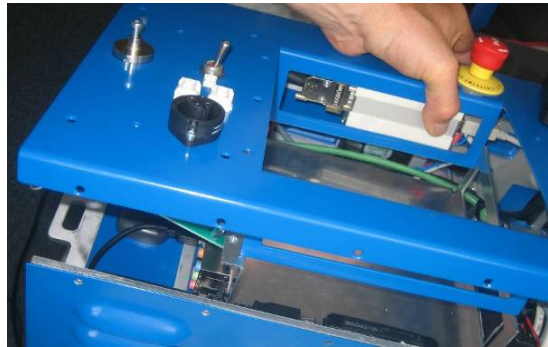


Figure 3. Remove the cover

- 6) Remove the connector of the omniscam.

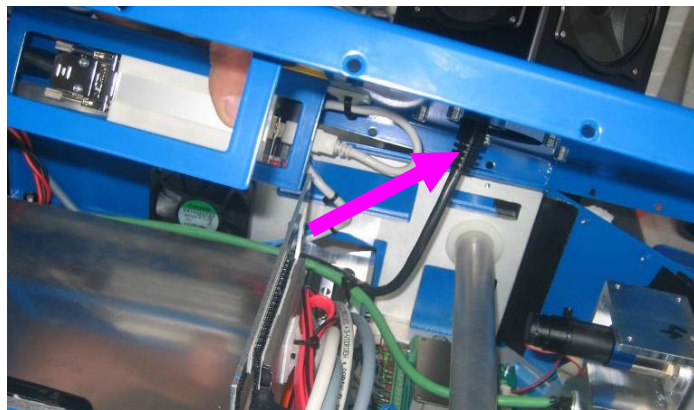


Figure 4. Remove the connector of the omniscam

- 7) Be careful during the removal of the power PCB.

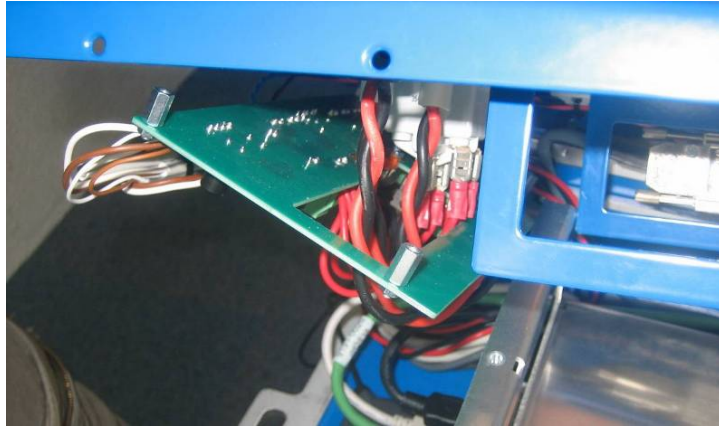


Figure 5. Removal of the power PCB

8) Deposit the cover aside.

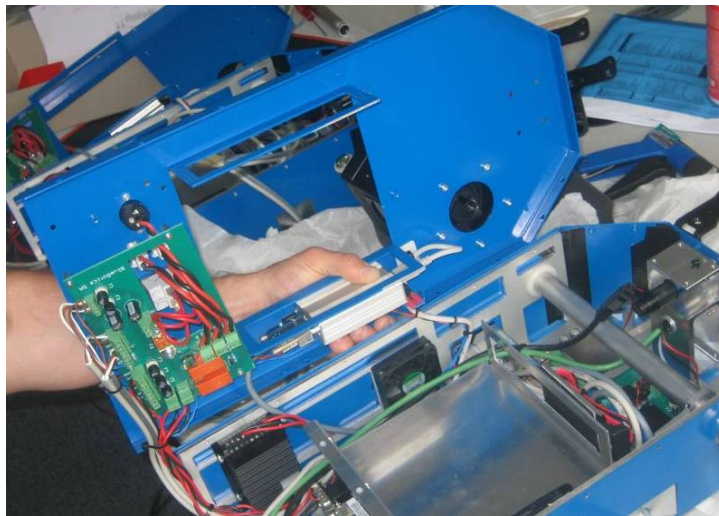


Figure 6. Deposit the cover

The cover can be placed on the main track and hold by the flippers.