
Date	2024-09-10
Label	Charging pads heating while charging
Product	MiR100 and MiR200
Released by	Mobile Industrial Robots

Description

We have become aware of a potential issue in a limited number of the MiR100 and MiR200 charging pads. The material used for connecting the pads in some of the latest produced robots is slightly conductive. This allows a small current to flow through the plastic during charging, causing heat to be generated at the charging pads. When tested under the worst case conditions, the temperatures do not reach the melting point of the plastic, but over time the plastic may become marked or deformed from exposure to the heat.

Robots with the following serial numbers may be affected:

- MiR100: 100105923 and higher
- MiR100 Hook: 100203009, 100203017, and 100203018
- MiR200: 100304809 and higher

The serial number is on the nameplate of your robot—see *Nameplate and Identification Label Locations* on [MiR Support Portal](#).

You can check your robot for conductive plastic by measuring the resistance between the two charging pads on the robot—see "[How to check your robot](#)" on the next page. If there is no resistance measured, the robot is not affected and no further action is needed.

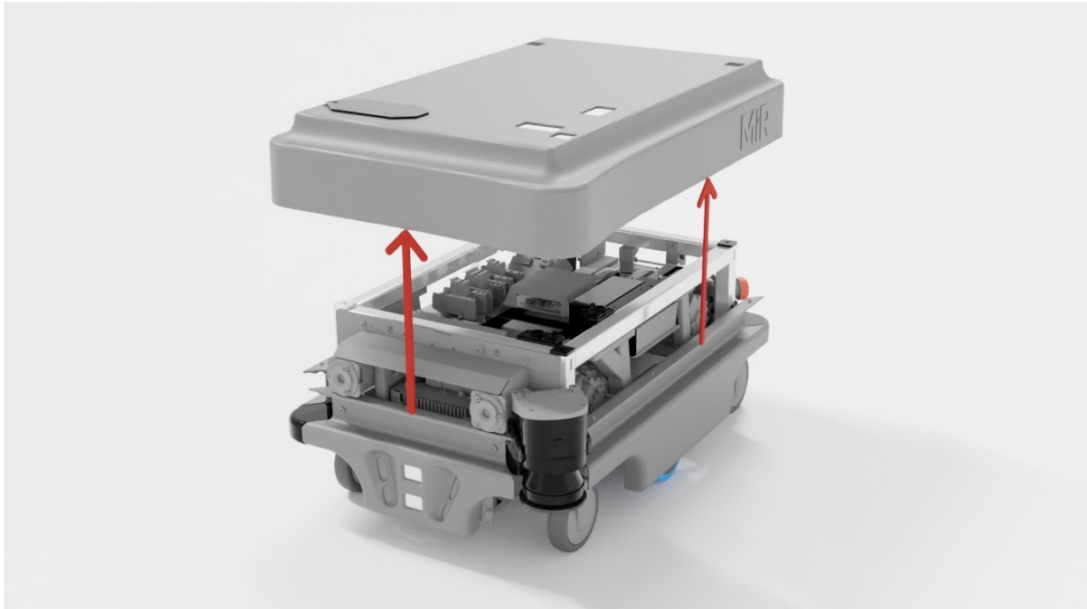
The conductive plastic was introduced when the supplier changed material due to supply issues. We have received a new shipment with parts made of the correct material.

If you have an affected robot, contact MiR Technical Support to request a replacement charging pad block (order number 450743) free of charge.

How to check your robot

To check if you need to replace the charging pad block, follow these steps:

- 1 Turn off the robot, and remove the top cover. To turn off the robot, press the blue Power button.

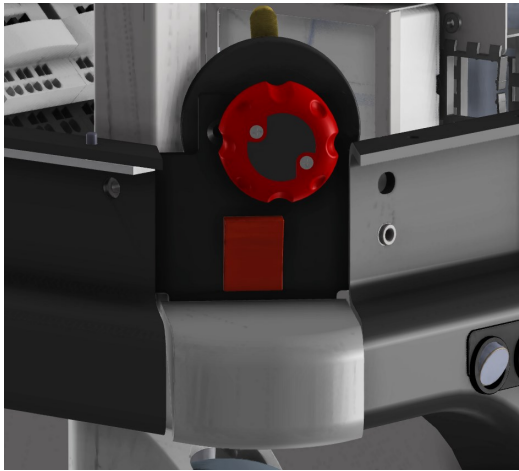


- 2 Disconnect the battery by pressing the Battery disconnect switch. When the switch clicks, the battery is disconnected. To reconnect the battery, turn the Battery disconnect switch clockwise.

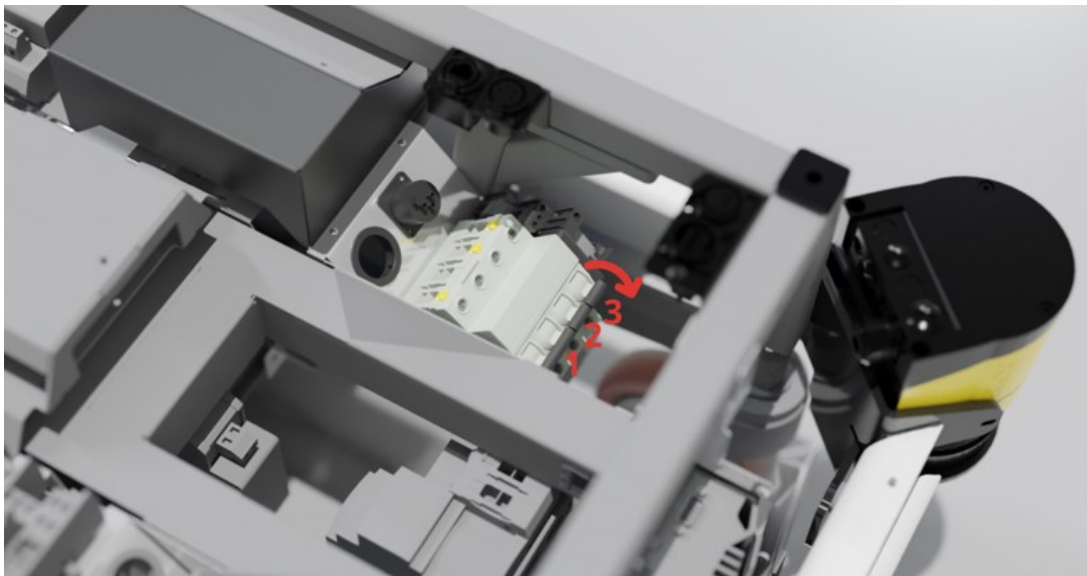
**WARNING**

When you are handling powered internal components, you risk electrical shock and limbs getting caught between actuators.

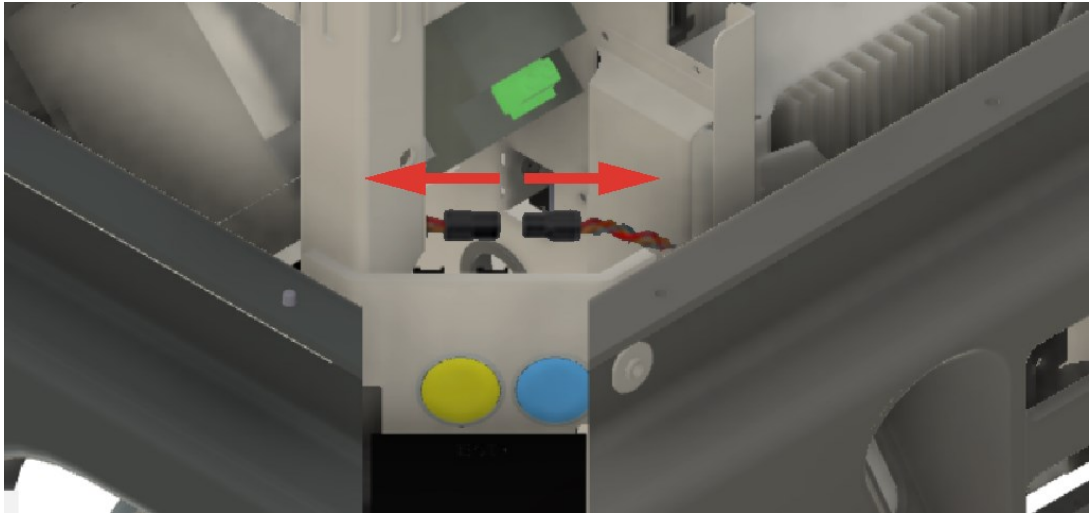
- Always turn off the robot, and disconnect the battery before accessing internal parts.



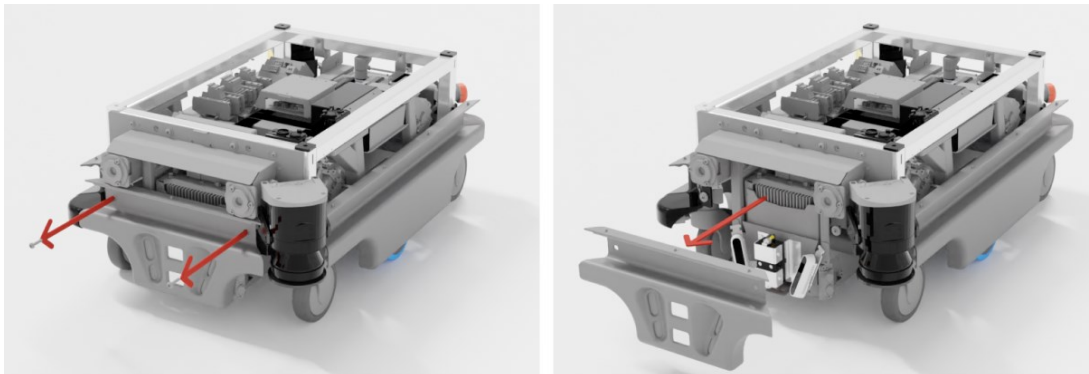
- 3 Turn off the power relays in the front-left corner of the robot. Make sure to turn them off starting with the inner-most relay.



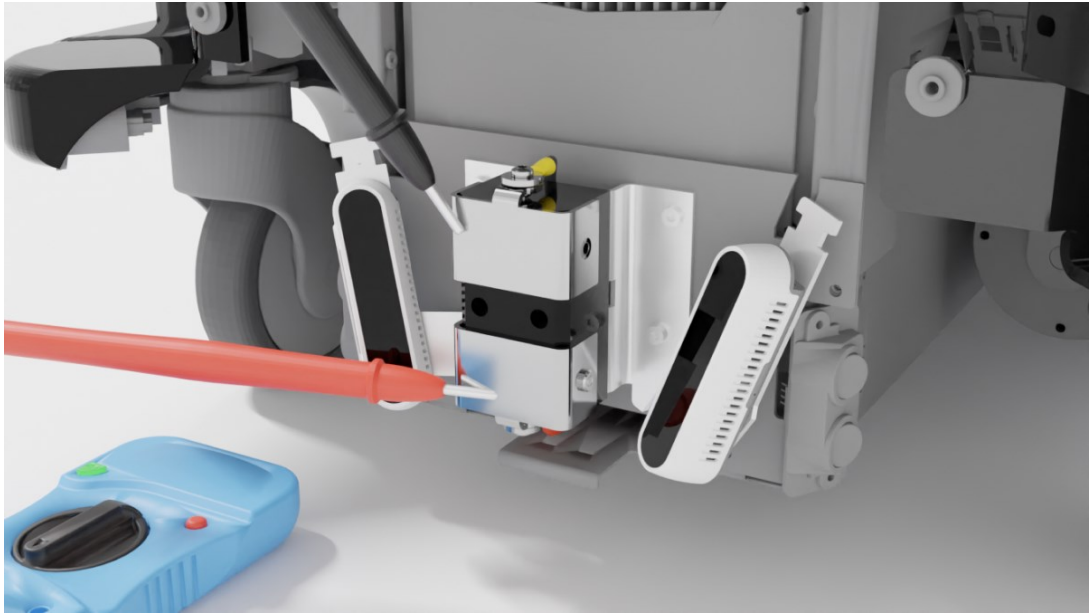
- 4 Disconnect the status light connector in the front-right corner.



- 5 Remove two screws in the front cover and remove the cover. Use a T25 bit.



- 6 Measure the resistance from the top and bottom charging pads.



If there is any resistance, create a support ticket to replace the block.

If the ohmmeter does not get a reading or indicates the connection is open, the charging pad block is not conductive and you can reassemble the robot. No further action is needed.

Contact information

Create a support ticket for MiR Technical Support on [MiR Support Portal](#).

Follow the guide *How to create a technical support ticket*. You can find this guide on [MiR Support Portal](#).