

Mechanical Emergency Door Release

During a power failure, you will not be able to open the centrifuge lid with the regular electric lid release. A mechanical override is provided to allow sample recovery in the case of an emergency. However, this should be used only in emergencies and after the rotor has come to a complete stop.



WARNING The rotor can still be spinning at high speed. If touched, it can cause serious injuries.

Always wait until the rotor has come to a stop without braking. The brake does not work when there is no current. The braking process lasts much longer than usual.

Proceed as follows:

1. Make sure the rotor has stopped (view port in the lid).



WARNING Never use your hand or other tools to brake the rotor.

2. Pull out the power supply plug.
3. Unlock the front door by means of square box wrench.
4. Open the front door.
5. Pull down both levers on the right hand side.
The door lock will be release mechanical. The lid will open and the samples can be removed.

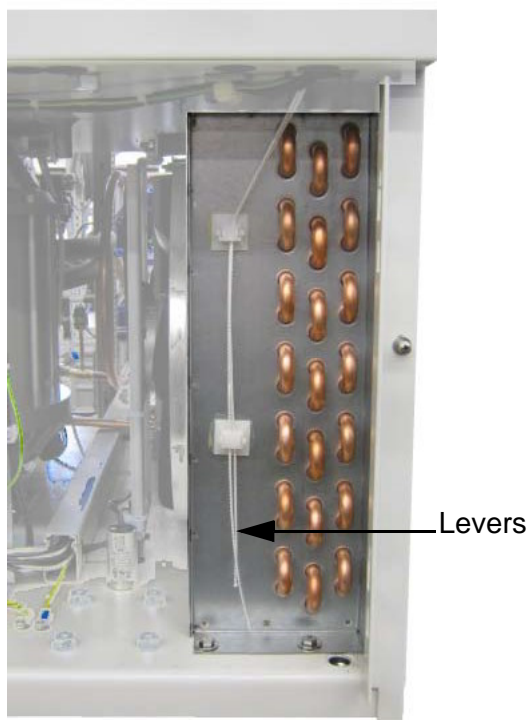


Figure 7-1. Emergency door release

6. Close the door and lock it well.

Reconnect the centrifuge once the power has been restored. Switch on the centrifuge. Press the OPEN key to have the door locks operative again.

Circuit Breakers

The centrifuge has circuit breakers. In the event of a failure inform Customer Service.

Failure message



If problems occur other than those listed in this table, the authorized customer service representative must be contacted.

Failure message	Problem with centrifuge	Possible causes and cures
NO ROTOR DETECTED	The centrifuge cannot be operated. The run does not start or the centrifuge runs down without being braked.	The rotor could not be identified. Check to see if the rotor is properly installed. Restart the centrifuge. If an error message appears again, inform Customer Service.
ROTOR IMBALANCE - BALANCE ROTOR	The centrifuge cannot be operated. The run does not start or the centrifuge runs down without being braked.	Imbalance detected. Check the load placed in the rotor. Check that the rotor cross bolts are well greased. Restart the centrifuge. If an error message appears again, inform Customer Service.
CRITICAL OVERTEMP	The centrifuge cannot be operated. The run does not start or the centrifuge runs down without being braked. The run will not terminate	Turn off the centrifuge. Pull out the power supply plug. Inform Customer Service.
SAMPLE TEMPERATURE OVER LIMIT	The RUN DISPLAY temperature went above the maximum allowable (overtemperature limit) setting. The centrifuge cannot be operated.	<ul style="list-style-type: none"> The set temperature is too low for the selected speed. The selected maximum temperature is in the overtemperature limit. The permissible ambient temperature at the air inlet is >35 °C. The air inlet is blocked, the clearance is too small <30 cm. Check the aspects mentioned above. If an error message appears again, inform Customer Service.
AIR TEMP MEASURE ERROR	The centrifuge cannot be operated.	The cooling circuit is open. The temperature is >45 °C. Wait for the rotor to cool down in order to prevent burn. Turn off the centrifuge. Pull out the power supply plug. Inform Customer Service.