

# Emergency Recovery from Power Failure



**WARNING**

When servicing the centrifuge, be sure to turn off the POWER switch, turn off the distribution board of your centrifuge room, and then wait for at least three minutes before removing covers or tables from the centrifuge to avoid electrical shock hazards.

**Rotation of Rotor**

The rotating rotor coasts free and finally stops if a power failure occurs during operation. When the power is restored, the centrifuge automatically re-accelerates the rotor if the rotor is still rotating at 250 rpm or higher, or decelerates the rotor if the rotor is rotating under 250 rpm.

**Operation Panel**



**WARNING**

Never attempt to open the door while the rotor is rotating.  
Never attempt to slow or stop the rotor by hand.

During the power failure, all the displays on the display panel are off. When the power is restored, the centrifuge will restart the control of the run with the set parameters that were in effect before the power failure (battery-backed), and will report the occurrence of the power failure by lighting up the alarm message.

**Removing the Rotor During Power Failure**



**WARNING**

Make sure that the rotor has coasted to a complete stop. When the rotor is at rest, it makes no sound. So listen carefully for any sound coming from the rotor chamber.

Never attempt to override the door interlock system while the rotor is rotating.



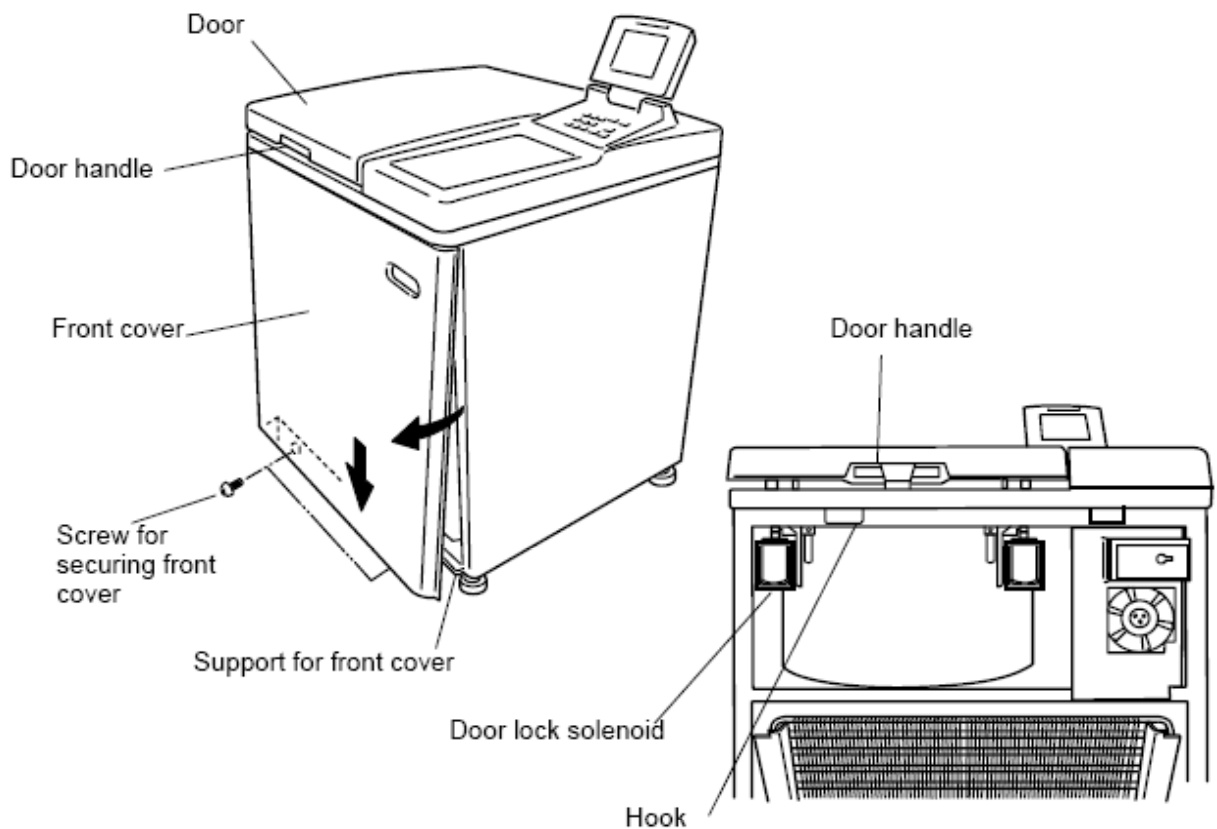
**CAUTION**

Do not perform any operation not specified in this manual. If any problem is found with your centrifuge, contact Thermo Fisher Scientific or your local representative of Thermo Fisher Scientific products.

If the power failure continues for an extended time, and you have decided to remove the rotor from the rotor chamber during the power failure, use the following procedure.

The rotor needs more than 60 minutes to coast to a complete stop if the rotor has been rotating at high speed.

1. Check that the rotor stops completely.
2. Turn off the POWER switch of the centrifuge and the distribution board of your centrifuge room.
3. Remove the two screws from the lower portion of the front cover. Remove the front cover by pulling the lower portion of the front cover forward and downward. The upper portion of the front cover is not secured with screws.
4. Raise the weights of the two door locks at the front and secure them with adhesive tape.



**Figure 4-9.** Opening the Door

**OPERATION**

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5. Release the door handle and open the door slowly.

Check that the rotor has stopped completely. If the rotor is rotating, close the door immediately.

**WARNING**

Never attempt to slow or stop the rotor by hand.

6. Take out the rotor and remove the adhesive tape from the door lock solenoids.

Insert the hooks into the square holes and put the front cover on the support, then secure the front cover with the screws in the reverse order of removal.