

Door Operation



WARNING

The door gas springs must be checked periodically for proper functioning (see Chapter 4). If gas pressure is not sufficient the door will not stay open and possible injury could result.



CAUTION

To avoid damaging the door latching mechanism, never force the door open and always close it gently.



WARNING

The mechanical door release lever is provided for emergency sample recovery only and should never be used to operate the centrifuge with the door open or to open the door when the rotor is spinning.

In the event of a power failure, the brake will not operate. Wait until the rotor stops spinning before using the mechanical door release lever. Reaching into the rotor chamber before the rotor has stopped spinning could cause personal injury.

a. Normal Door Operation

The door interlock prevents the chamber door from being opened while the rotor is in motion and prevents the centrifuge from entering the RUN mode if the door is not properly closed and latched.

The door is hinged on the left side and has a latch on the right side. To open the door, lift the latch and pull up on the door. Two gas springs counterbalance the weight of the door and hold it in the open position. To close the door, push down on it gently but firmly.

b. Mechanical Door Interlock Override

The door interlock prevents the chamber door from being opened while a rotor is spinning. However, if the main power is shut off, either manually or as the result of a power failure or system malfunction, the RC 3B PLUS chamber door will not open. A mechanical override is provided to allow sample recovery in the case of an emergency.

The mechanical door release lever is recessed in the back cabinet panel (see figure 1-1). To open the chamber door, push the door release lever with a pencil or similar object, then carefully lift the door latch and pull the door open.

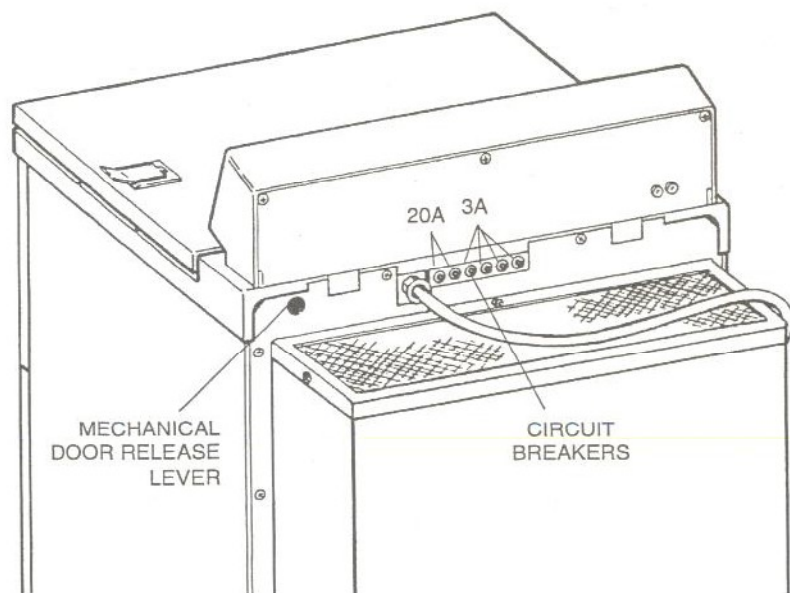


Figure 1-1. RC 3B PLUS Centrifuge — Rear View