



Drucker 642E Centrifuge

Field Troubleshooting Guide

REV.2020.09

Client Services

800.800.5655

www.aclab.com

1400 Industrial Way

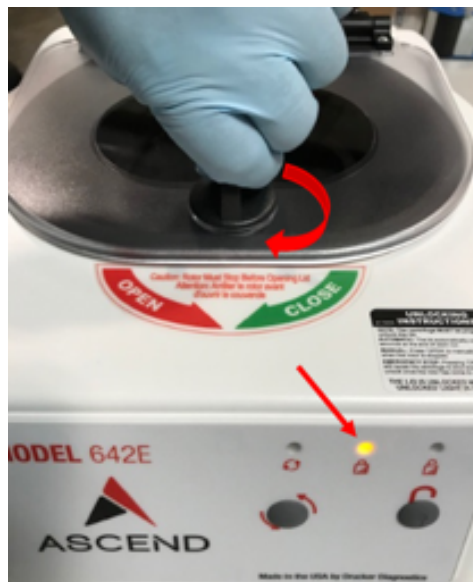
Redwood City, CA 94063

Problem: The centrifuge's lights and indicators will not turn on.

Solution 1: Check that the unit is plugged into an outlet.

Solution 2: Check that the centrifuge is not on a switched outlet (one that requires a light switch to turn it on or off).

Solution 3: Make sure the lid locking mechanism is turned completely clockwise to its Stop position.



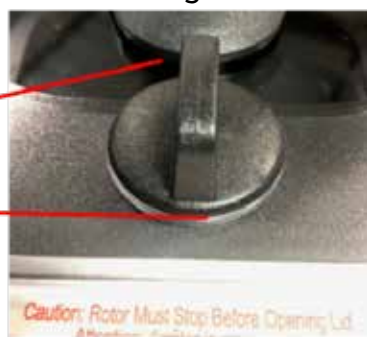
There will be a slight "click" when the locking mechanism is in the "locked" position, and the yellow "locked" light will illuminate.

Problem: The centrifuge will not start spinning when a cycle is started.

Solution 1: Check that the centrifuge is plugged in and turned on.

Solution 2: Check that the cover is properly closed and the knob is turned completely clockwise. The centrifuge cannot run if the cover isn't closed and the locking mechanism engaged.

Solution 3: Check that the "latched" indicator is on by turning the knob clockwise until you feel a "click". This indicates that the lid is closed and the lid locking mechanism is locked.



The knob will be in the vertical ("latched") position.

Problem: The centrifuge is vibrating excessively or making unusual noises.

Solution 1: Verify that the rotor has stopped spinning, then unlatch the lid by turning the knob counterclockwise. Check that the load is balanced by verifying that opposing tube carriers are identical.

Solution 2: Visually make sure that nothing's accidentally fallen into the rotor chamber.

Solution 3: Check that the opposing tube carriers have an equal number of equally weighted samples. (Note: If an odd number of tubes are to be spun, fill an extra, same sized tube with water to counterbalance the unpaired tube.)

Problem: The rotor does not spin freely.

Solution 1: Visually make sure nothing has fallen into the rotor chamber.

Solution 2: Listen to see if you can hear the electric motor straining to spin the rotor.

Solution 3: Unplug the centrifuge from the wall. Unlatch the lid. Reach into the rotor and remove any debris that may be blocking it from spinning.

Problem: The latch light does not come on when the lid is closed.

Solution 1: Verify that the centrifuge is plugged into an outlet.

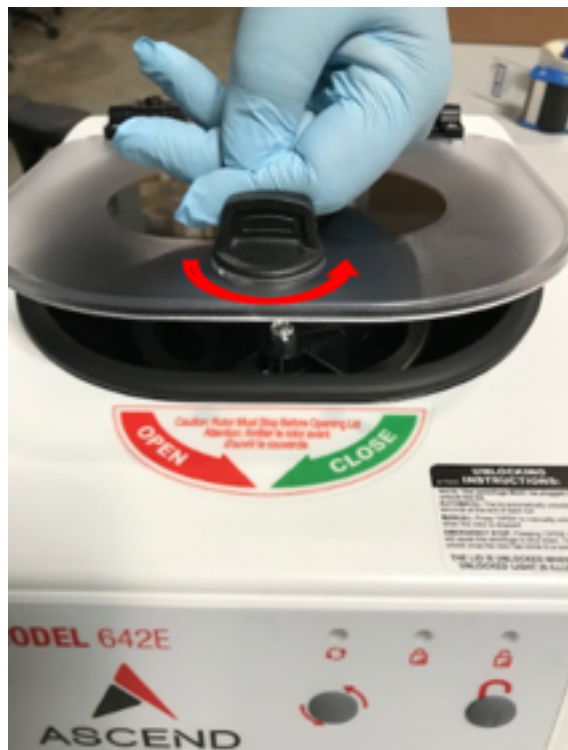
Solution 2: Verify that the centrifuge isn't on a switched outlet that's turned off.

Solution 3: Verify that the lid latch is turned completely clockwise to its stop position.



Problem: The centrifuge won't unlock after a run has completed.

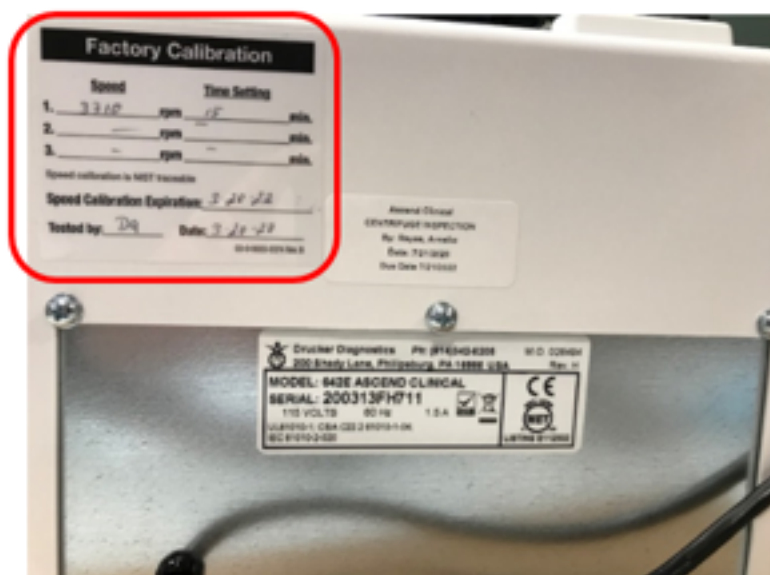
Solution 1: This is a safety feature. The lid will not open until 60 seconds after the rotor has come to a full stop to ensure all moving parts have ceased moving.



After a run has completed, the unit will gradually slow down and come to a stop. (This can take a minute or two.) When it does, rotate the latch release knob counterclockwise to the "horizontal" position, and lift the lid open.

Problem: The run time or speed are not set to the time/speed I need.

Solution 1: The centrifuge runtime/speed settings are factory set. The settings are located on the back of the unit.



For more information, please contact Client Services at 800.800.5655, Option 1.



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