Troubleshooting Guide
Operating Test

It is possible to verify normal operation of the series 6000 tables by performing the following series of tests.

ALL MODELS

Lift test
1. Ensure ON/OFF switch is in ON position.
2. Press and hold the TABLE UP pedal. The table should rise to the full up position (about 37”) and stop. There must be no continuing motor hum after the table stops.
3. Release the TABLE UP pedal.
4. Press the TABLE DOWN pedal. While the table is going down pressing on each corner of the back of the seat must cause the table to momentarily stop.
5. The table should go to the full down position Release the TABLE DOWN pedal.
6. Reach under the front section bottom plate and lift up momentarily on each corner of the plate. This should activate the lift causing the table to rise while the plate is lifted.
7. Turn the ON/OFF switch, located on the back of the rear cabinet, to the OFF position. Verify that pressing any of the foot pedals does not cause motion. Turn the ON/OFF switch to the ON position.

MODELS 6500, 6501, 6800 and 6801 ONLY

Powered Back test
1. Press the TABLE UP pedal to raise the table above 28” so the back may be lowered without contacting the back cabinet.
2. Press the BACK DOWN pedal. The back should go to the full recline position, which is level.
3. Press the BACK UP pedal. The back should go to the full up position.
4. Press the BACK DOWN pedal. While the back is going down pressing on any corner of the back of the seat must cause the back to momentarily stop.
5. Press the blue RETURN TO CHAIR button on the foot control. While the chair is in motion momentarily press the red STOP button. The chair must stop and remain stopped.
6. Press the blue RETURN TO CHAIR button on the foot control. While the chair is in motion momentarily press the BACK UP pedal. The chair must stop and remain stopped.
7. Press the blue RETURN TO CHAIR button on the foot control. While the chair is in motion momentarily press the BACK DOWN pedal. The chair must stop and remain stopped.
8. Press the blue RETURN TO CHAIR button on the foot control. While the chair is in motion momentarily press the TABLE UP pedal. The chair must stop and remain stopped.
9. Press the blue RETURN TO CHAIR button on the foot control. While the chair is in motion momentarily press the TABLE DOWN pedal. The chair must stop and remain stopped.
10. Raise the table to the full up position, and then lower the back so the table is in the high table position. Press the blue RETURN TO CHAIR button. The table should first raise the back then lower to the chair low position.
Complete the "Operating Test".

Test Failed
Test Passed

Test complete

Do all powered functions work?
Yes
No

Go to step 2.1
Go to step 2.2

Do the 6 front limit switches work properly?
Yes
No

Fixed
Problem remains

Call Brewer Tech Support 888-Brewer-1.

Do the 4 seat back limit switches work properly?
Yes
No

Fixed
Problem remains

Call Brewer Tech Support 888-Brewer-1.

Does the drawer warmer heat properly, and does the outlet work?
Yes or N/A
No

Go to step 5.1 for drawer warmer
Go to step 6.1 for outlet.

Does the table stop operating after a period of heavy use? *see below
Yes
No

Control box is over temperature. Allow 30 minute cool down. Control box will reset automatically.

Is there excessive noise, or are there other problems which have not yet been identified?
No
Yes

Return to step 1

Go to step 7.1

* No relay clicking in control box. Table then functions after about 30 minutes.
6000 SERIES TABLE TROUBLESHOOTING CHART

Step #
2.1

Step 2.1 continue here

a

Is the on/off switch at the back of the cabinet turned on?
Yes
No

Turn on switch then return to step 1

b

If table has a drawer warmer does the green drawer warmer switch illuminate when turned on?
Yes
No

Lamp in green switch may be burned out but warmer still operates. Reach hand into front drawer to feel if it is warming after 5 minutes with switch in either position. Is warmer warming up?
Yes
No

Proceed to next step if warming. (Replace drawer warmer switch at your convenience).

c

Check for power at wall receptacle, condition of power cord, and fully inserted plug at back of table, and fuse(s) at back of table. Is power available, connections tight and fuse(s) in good condition?
No
Yes

Remedy problem and return to step 1

Go to step 2.1.d

d

Press foot control pedal(s). Does relay in control box click?
Yes
No

Check for loose wire connections at terminal block(s) if S/N is less than HL002100 or if S/N has a “C” at the end. Check that all plugs are fully inserted into control box and that securing clips are locked in place. Are all connections secure?
Yes
No

Check for loose wire connections at terminal block(s) if S/N is less than HL002100 or if S/N has a “C” at the end. Check that all plugs are fully inserted into control box and that securing clips are locked in place. Are all connections secure?
Yes
No

Shorted fuse(s) at back of table. Replace defective fuse(s). Return to step 1

Replace the 2 control box fuses. Is light now on?
Yes
No

Replace the 2 control box fuses. Is light now on?
Yes
No

Is green light on at back of control box?
Yes
No

Remedy problem and return to step 1

Return to step 1

e

Front cabinet switch (1 of 6) is stuck closed. Unplug table power. Isolate faulty switch or wire using a continuity tester. Replace defective switch.

Fixed
Problem remains

f

Secure connections and Return to step 1

g

Is table stuck in the up position?
Yes
No

Table does not go down. Control box relay clicks in down direction. When front bottom safety plate is lifted is there is relay click?
Yes
No

Call Brewer Tech Support 888-Brewer-1.

Table does not go down. Control box relay clicks in down direction. When front bottom safety plate is lifted is there is relay click?
Yes
No

Call Brewer Tech Support 888-Brewer-1.
Table raises slightly slower than normal while the up pedal is held. Does one actuator continue to hum?

No

Yes

One lift actuator has failed. Replace both lift actuators. **Return to step 1.**

Table is low and does not rise. Do motors hum when up pedal is pressed?

No

Yes

Replace back actuator. **Return to step 1**

Table does not go all the way down. After table stops in the down direction, does continuing to press down on the foot control pedal cause motor operation, but no table movement?

No

Yes

Backrest or lift stuck in the full up position. No motor hum. Do control box relays click in both up and down direction?

No

Yes

Backrest safety switch, 1 or more of 4 is not returning to the closed position. Support seat. Remove shroud to access control box and wiring area. Separate the Molex connector with orange, white, violet and black wires (power back) or orange and white wires on one side (manual back). On the connector half that has the thumb catch check continuity between the violet and black (backrest) and then the orange and white (seat lift). If no continuity on either circuit, replace with backrest safety switch kit.

**Problem remains Fixed**

Are there other problems not yet identified?

**Yes**

**No**

Test complete

Call Brewer Tech Support 888-Brewer-1.
**Drawer Warmer**

**Step 5.1**

- **a**
  - Does warmer switch illuminate when on?
    - Yes
    - No
  - **Yes**
    - Replace warmer/Outlet fuse(s) at back of table (on plate where foot control and power cord plug in). Does warmer switch illuminate?
      - Yes
      - No
  - **No**
    - Replace warmer switch. Does warmer switch illuminate?
      - Yes
      - No
  - Return to step 1

**Outlet Option**

**Step 6.1**

- **a**
  - Does device operate when plugged into outlet at side of table?
    - Yes or N/A
    - No
  - **Yes**
    - Replace warmer/Outlet fuse(s) at back of table (on plate where foot control and power cord plug in). Does outlet operate?
      - Yes
      - No
  - **No**
    - Replace table outlet. Does outlet operate?
      - Yes
      - No
    - Replace transformer. Does outlet operate?
      - Yes
      - No
    - Call Brewer Tech Support 888-Brewer-1.
  - Return to step 1

**Drawer Warmer**

- **b**
  - Does warmer get warm when on?
    - Yes
    - No
  - **Yes**
    - Return to step 1
  - **No**
    - Replace warmer. Does warmer get warm?
      - Yes
      - No
      - Call Brewer Tech Support 888-Brewer-1.

**Outlet Option**

- **b**
  - Return to step 1
6000 SERIES TABLE TROUBLESHOOTING CHART (continued)

Step 7.1 continue here

Does table have a powered backrest?
Yes
No

Are there other problems not yet resolved?
Yes
No

Call Brewer Tech Support 888-Brewer-1.

Return to step 1

Does table return to chair position when blue button is pressed on foot control?
No
Yes

Replace foot control. Is problem fixed?
Yes
No

Return to step 1

Is there no movement at all, or is movement not stopped by stop button or foot control pedals?
No
Yes

Does the backrest raise but the seat will not lower when return to chair blue button is pressed on foot control?
Yes
No

The backrest actuator return chair that protrudes from the center of the back of the seat section is defective or its wiring harness (blue and red wires) is damaged or disconnected? With backrest raised check for closed circuit at the blue and red wired Molex connector. Reconnect wiring harness or replace defective switch. Is problem fixed?
No
Yes

The backrest actuator return chair that protrudes from the center of the back of the seat section is defective or its wiring harness (blue and red wires) is damaged or disconnected? With backrest raised check for closed circuit at the blue and red wired Molex connector. Reconnect wiring harness or replace defective switch. Is problem fixed?
Yes
No

Return to step 1

Call Brewer Tech Support 888-Brewer-1.

Step 7.1 a

Return to step 1

Step 7.1 b