

PROBLEM--Machine will allow the grind motor to turn on - ERROR door switch open or Door Monitor Error. In your Product Packet Assembly, there are a series of prints. Find the print titled ACCU-Touch Wiring Diagram, before starting the troubleshooting below. Verify all wires shown on that drawing are correct and pull on wire terminals with approximately 3 lbs force to verify there are no loose terminal connections and/or no loose crimps between wire and terminal. If loose terminals are found, retighten and retest system. If problem persists, test as listed below.

Possible Cause

Checkout procedure

Bad Door monitor

Look at lights on door monitor (SSM)

Verify Function set to 5

-) power light is on?

Yes, continue

No, Check A1-A2 for 24VDC. If you do not read 24VDC check wires, verify properly installed in terminal block. Check MAG contact 13-14. Replace MAG if bad.

-)error on ssm

Check for Error light on SSM. Open door to see if error goes off.

-) Open both doors.

Lights are on as indicated? If yes continue. Replace front door switch and cord if lights S22 and S23 are not correct. If not then replace rear door switch and cord if lights S12 and S13 are not correct (if there is no rear door then S12 should be off and S13 should be on)

Lights:  
 Power= on  
 Error= off  
 State= off  
 Start= off  
 S12= on  
 S13= off  
 S22= on  
 S23= off

-) Close rear door (if this is a 653 with fixed back skip this step). Lights should be:

Lights S12 and S13 should change when closing the rear door. If both lights do not change or only one light changes check the door alignment. The door switches should be adjusted. If the door switches are aligned within 1/8" in all 3 directions and the switch still does not function correctly when opening and closing then replace the cord and door switch.

Power= on  
 Error= off  
 State= off  
 State= off                      S12=  
 off (on when open)  
 S13= on (off when open)  
 S22= on  
 S23= off





'-) Close Front door.  
 With rear door closed,  
 Lights should be:  
 Power= on  
 Error= off  
 State= on  
 Start= on  
 S12= off  
 S13= on  
 S22= off (on when open)  
 S23= on (off when open)

Lights S22 and S23 should change when closing door. If both lights do not change or only one light changes check the door alignment. The door switches and brackets can be adjusted. If the doors are offset or the gasket causes the doors to not close fully the position of the doors can be adjusted with the eccentric at the top and the bolt at the bottom.



-) If lights on the monitor are working correctly and machine will not operate. Go to troubleshooting screen on the touch control. Open and close doors and watch lights.

Watch the screen and open and close the front and rear doors. Verify the lights on the screen change for each door when opened and closed. If yes then continue to next step. If the light on the screen do not change then replace the door switch and cord of the one that is not working.



'-) If lights on the monitor are working correctly and door switches change on the touch screen troubleshooting but the Door monitor does not change on the screen. Lights:  
 Screen door monitor =off  
 SSM State= on

If SSM outputs State and Start are on but the light on the screen for the Door Monitor does not change then replace SSM.

Here is how to check out the Door switch and monitor:

Voltage measurements to verify function of switch. If these voltages are correct but the monitor does not change as indicated above then replace SSM

- a. A1 to A2 on monitor – should be 22-24VDC. – If not there is a power supply issue
- b. A1 to 21 on SSM – should be 24 with door closed and 0-14VDC when open. – if not replace front switch and cord.
- c. A1 to 22 on SSM- should be 24 with door open and 0-14VDC when closed. – if not replace front switch and cord.
- d. A1 to 12 on SSM – should be 24 with door closed and 0-14VDC when open. – if not replace front switch and cord.
- e. A1 to 13 on SSM- should be 24 with door open and 0-14VDC when closed. – if not replace front switch and cord.