

# Error Codes

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- 1) Machine cover switch B indicates an open cover but feedback RSA indicates closed machine cover .

## Additional Info:

The S301 switch is not sending an input to the RCS at I1 or I2.

## Steps:

- 1) Check to see if inputs #I1 and I2 are being satisfied on the RCS board.
- 2) Readjust the S301 switch on the main cover of the machine so that the inputs are correct, according to the drawing in the annex 2 of the electrical diagrams.
- 3) Change the RCS board.
- 4) Change the S301 switch

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**2) Watchdog PCC detected problem. B; Watchdog Topwin detected problem.**

### **Additional Info:**

Some components on the PCC card are causing the Watchdog to be unable to check the PCC card.

### **Steps:**

- 1) Check the PCCA and PCCB cables on the PC
- 2) Open up the computer and check to see if the PCC card is set into the slot
- 3) Press the internal reset button on the PCC card.
- 4) Replace the PCC card.

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### **Additional Info:**

There is a problem between TopWin and windows NT that will not allow the watchdog to work properly.

### **Steps:**

- 1) Turn the computer off and shut the main power off for at least 10 seconds. Then power the machine back up and reset the machine.
- 2) Back up the database and reinstall TopWin.
- 3) Reinstall Windows NT
- 4) Check the PCC card to see if it is set into the slot.
- 5) Check PCCA and PCCB cables.
- 6) Press the internal reset button on the PCC card.
- 7) Replace the PCC card.

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### 3) Machine powers up but you do not receive the load voltage.

#### Additional Info:

The safety relay K5 is not receiving it's Control voltage of 24vdc at A1.

#### Steps:

- 1) Check the 24VDC across A1 and A2 and from A1 to GND. If you have voltage but the K5 relay is still not pulling in replace the K5 relay.
- 2) If you don't have voltage start reading the 24VDC from K5/A1 all the way back to X104/401, making sure to check each point along path of 115.1- 155.3 shown on page 115 of the schematics.
- 3) Make sure that the voltage is going into the relay on the Bio. Board at o39 and back out on 39o.
- 4) If you have no voltage at X104/401 check at X104/203. If no voltage is present check the F105 fuse.
- 5) Check the 24V coming out of the G1 power Supply. If you have no voltage coming in check the input voltage. If that is ok change power supply.