LCD Screen

Problem: Screen is Hard to Read

The LCD Screen must be viewed from straight on. Looking at the screen from an angle will make it hard to read. This is normal for any type of LCD Screen.

If the Screen has a blue tint to it and it is hard to make out the characters, the problem may be corrected by adjusting the Contrast Control.

The Contrast Control is located on the Main Control Board located inside the Chamber just behind the LCD Screen. See attached drawing of Control Board.

CAUTION! ELECTRICAL SHOCK HAZARD

AVOID CONTACT WITH HIGH VOLTAGE WIRES AND/OR CONNECTORS.
ONLY A QUALIFIED TECHNICIAL SHOULD COMPLETE SERVICE.

1. Turn off power switch and unplug Chamber from wall outlet.
2. Remove the top from Chamber.
3. Reconnect Chamber to power supply and turn on.
4. Locate the Contrast Adjustment on the Control Board at location R1 (Just below the Temperature Adjustment).
5. Rotate the adjustment screw slowly while viewing the screen's contrast.

If adjusting the contrast did not correct the problem, contact Melco Engineering in Glendale, California USA at (818) 247-7500 for further assistance.

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LCD Screen

Problem: Screen is Dark and Cannot Be Read

If the chamber is operating normally (maintains temperature and LED lights work) but the LCD screen and cannot be read, the problem is with the screen back light.

Other than the light being burned out, there are fuses and connectors that should be checked before replacing the entire LCD Screen and High Voltage Back Light Power Supply.

CAUTION! ELECTRICAL SHOCK HAZARD!

AVOID CONTACT WITH HIGH VOLTAGE WIRE AND/OR CONNECTORS.
ONLY A QUALIFIED TECHNICIAN SHOULD COMPLETE SERVICE.

1. Turn off power switch and unplug Chamber from wall outlet.
2. Remove the top from the chamber.
3. Locate the two fuses F1 and F2 on the Control Board. See Drawing of the Control Board.
4. Check the fuse located at the top left corner of the High Voltage Power Supply with a Continuity Tester. **CAUTION! TEST WITH POWER OFF!**
5. Check fuses with a Continuity Tester to ensure fuses are in working order.
6. Reconnect Chamber to power supply and turn on.
7. Check fuses F1 and F2 with a Voltage Meter. They should test at 12 Volts and 5 Volts. If not, check connector TB2 just above and to the right of the fuses to make sure it is connected properly.

After checking the connector (TB2), if there is still no power at the fuses, test the leads coming from the high voltage power supply going to the connector at TB2. If no voltage is found then the power supply has failed. If the leads test OK, check the connector TB2 for continuity.

If the fuses check out with the correct voltage then check the Connector J5. (Just to the right of the fuses). This connector is the low voltage side to the LCD Back Light High Voltage Coil.

If after checking all fuses and connectors for voltage and continuity the screen is still black and unreadable, the problem is with the LCD Display and/or high voltage coil for the Back Light. These will have to be replaced as a single unit.

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Melco®

CONTROL BOARD

(Rear View)

Shown with Micro Processor, LCD Display, and Power Supply