



# Service Bulletin

Subject: LED Board Replacement

Product Line: SHOWGUN

Date: 10/18/07



**Warnings: Disconnect power before servicing.**

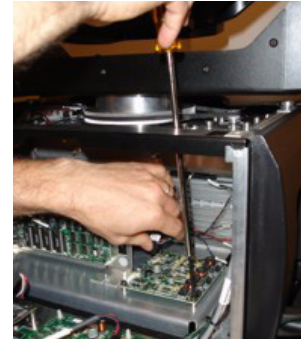
**Equipment surfaces may reach temperatures up to 150° C (302° F). Allow the fixture to cool before handling.**

To replace a SHOWGUN® LED control board (P/N 80060021EF):

1. Loosen the two captive screws on the top cover of the electronics housing above the display panel and remove the cover.
2. Loosen the two captive screws on the display panel and drop it down from the housing.
3. Locate the LED control board inside the electronics housing.
4. Disconnect the connectors for the Red, Green and Blue LEDs, the temperature sensor and the module link.
5. Use a 3 mm hex key to remove the 4 socket cap screws holding the board to the housing.
6. Mount the new LED control board and reattach all the connectors



LED Control Board



LED Tracking Ring Temperature Sensor (HD1)

Red Tracking Ring LEDs (HD2)

Green Tracking Ring LEDs (HD4)

Module Link (HD5)

Blue Tracking Ring LEDs (HD6)

LED Board Socket Cap Screws

7. Reattach the display panel and the top cover.
8. Connect the fixture to DMX and then connect the unit to power.

9. After the homing procedure is complete, access the menu system on the display panel and calibrate the board using the following steps:
1. Press the **Menu** button to unlock the menu system.
  2. Use the left and right arrows on the **Center** button to scroll to the TEST OPTIONS MENU and press the **Enter** button to select.
  3. Use the left and right arrows on the **Center** button to scroll to CAL RGB LEDS.
  4. Use the up and down arrows on the **Center** button to scroll to **Yes**. Press the **Enter** button to select.

The fixture will begin a recalibration routine that will last approximately 5 minutes.

If you experience any complications or have any questions regarding these installations, contact the High End Systems Service Hotline at 1.800.890.8989 to speak with a technician.