

# Coolwave<sup>®</sup> 2 Lamphead Transformer Bracket Upgrade

Use this instruction to upgrade the bracket and harness assembly in the Coolwave<sup>®</sup> 2 lamphead.



**WARNING:** Allow only qualified personnel to perform the following tasks. Follow the safety instructions in this document and all other related documentation.



**WARNING:** This equipment operates at high voltages and is therefore potentially dangerous. The electrician servicing this equipment must take all precautions.



**WARNING:** Isolate the equipment at the main disconnect or lockout before removing any of the cover panels.

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## Replacing Bracket

### ***Remove Top Cover***

See Figure 1.

1. Disconnect the unicable from the lamphead.
2. Remove the top blower cover by removing the six M4 x 10 screws (three front and three rear) and set aside.
3. Remove the top cover.



Figure 1 Removing Blower Screws

### **Remove Lower Cover**

1. Unplug the blower cable from the receptacle.



Figure 2 Unplugging Blower Cable

2. Remove the M4 x 10 screw next to the blower cable receptacle.

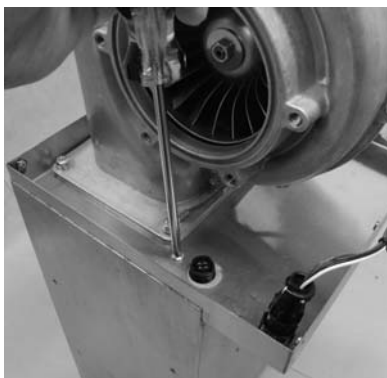


Figure 3 Removing Screw

3. Remove the four bolts and washers securing the fan to the top of the lamphed.
4. Remove the fan from the lamphed.



Figure 4 Removing Bolts and Washers

5. Remove the two M4 x 20 screws on either side of the unicable receptacle.



Figure 5 Removing Screws by Unicable

6. Remove the eight screws at the base of the lamphed (four front and four rear).

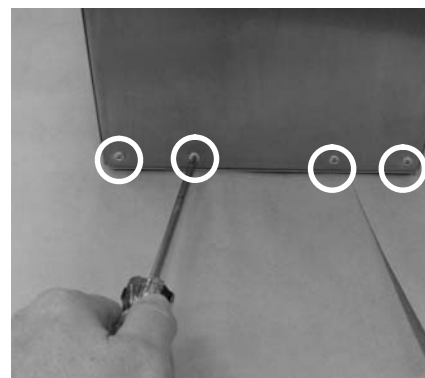


Figure 6 Removing Base Screws

7. Lift the bottom cover straight up and then push the unicable receptacle into the cover until it clears the cover housing.



Figure 7 Removing Bottom Cover

## Remove Old Bracket

1. Remove the two screws securing the bracket.



Figure 8 Removing Bracket Screws

2. Pull out the old bracket slightly.
3. Cut the cable ties holding the sleeves over the ring terminals.
4. Push the sleeves down to expose the ring terminals.



Figure 9 Cutting Cable Ties

5. Remove the screw and lock nut to disconnect ring terminals.



Figure 10 Disconnecting Ring Terminals

6. Remove the old bracket.

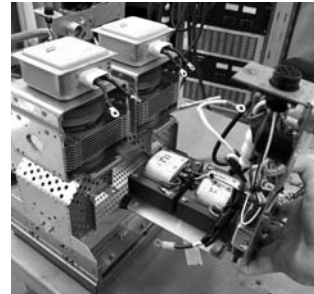


Figure 11 Removing Old Bracket

## ***Install New Bracket***

1. Install new bracket partially into lamphead.



Figure 12 Partial Installation of New Bracket

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2. Connect ring terminals using screws and lock nuts.



**CAUTION:** Lock nuts must be fully compressed to prevent sparking.

- a. On left magnetron, *white* wire will be placed on the outside, and the X1 cable will be placed to the inside.
- b. On the right magnetron, the *black* wire will be placed on the outside, and the X1 cable will be placed to the inside.



Figure 13 Connecting Ring Terminals on Left Magnetron



Figure 14 Connecting Ring Terminals on Right Magnetron

**Install New Bracket** *(contd)*

3. Push sleeves back up around ring terminals.
4. Secure top and bottom of sleeve with cable ties and trim down cable tie.



Figure 15 Securing and Trimming Cable Ties

5. Push bracket rest of the way into lamphead and secure with the two bracket screws.



Figure 16 Installing Bracket Screws

**Reinstall Covers**

1. Reinstall base cover and the fan.
2. Reconnect blower plug.
3. Reinstall top cover and reconnect unicable.

**Parts**

Part	Description	Note
1612748	KIT, internal blower lamphead, transformer bracket upgrade	

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