



**Congratulations on your purchase of the Most Technically Advanced Interior Art Blades in the world..PowerBladez™!!**

## **READ ME FIRST!**

By installing this modification, you understand that every pinball machine is created differently. Voltages may vary from machine to machine and that there is a possible risk of damage involved that may be caused to your pinball machine. PinGrafix2.0 Inc. accepts no responsibility or liability for any such events whatsoever. By installing this modification you accept these terms. If you do not agree, PinGrafix2.0 Inc. Will give a full refund to the customer upon receiving the product back in brand-new unused condition.

PowerBladez™ Have a limited warranty of one year from the date of actual purchase.

Never FOLD or CREASE any of the PowerBladez™. Doing so will damage the interior circuitry and render the PowerBladez™ useless. This is not covered under warranty.

Never Attempt to disassemble PowerBladez™ for any reason .  
Doing so could cause bodily harm and/or physical damage.  
PinGrafix2.0 Accepts no responsibility.

Never use PowerBladez™ in the event of deep scratch or gouge which exposes the interior circuitry. This may cause damage to the blades and may cause possible electrical shock. PowerBladez™ are sealed end to end and should always be.

Keep away from water or any foreign liquids or debris.

Always turn the power switch off when not in use.

When not in use, you can store PowerBladez™ in a cool dry place.  
Never Leave PowerBladez™ in direct sun light.

**Good news!! We are now ready to install your new PowerBladez™!**

*NOTICE: While it is possible to install the blades with one person..It is highly recommended that you grab a friend to help you. It will make life a lot easier.*

**STEP 1**

FIRST THINGS FIRST  
 UNPLUG YOUR PINBALL MACHINE FROM  
 THE WALL.

Remove lock down bar, playfield glass, balls and  
 raise playfield.



**STEP 2**

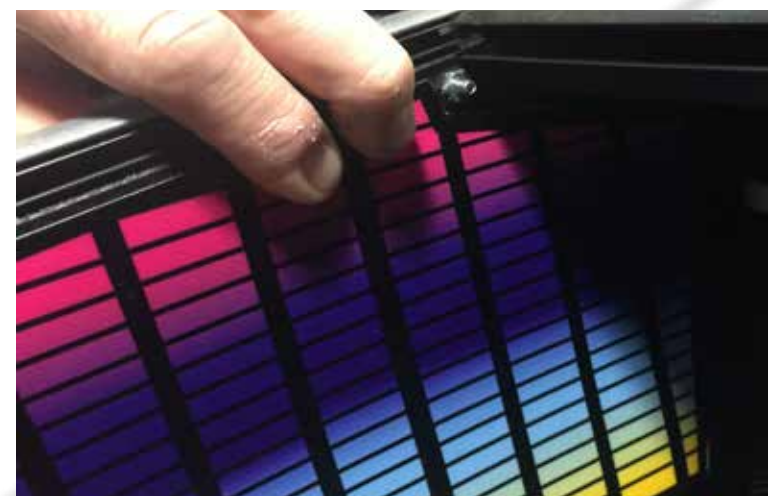
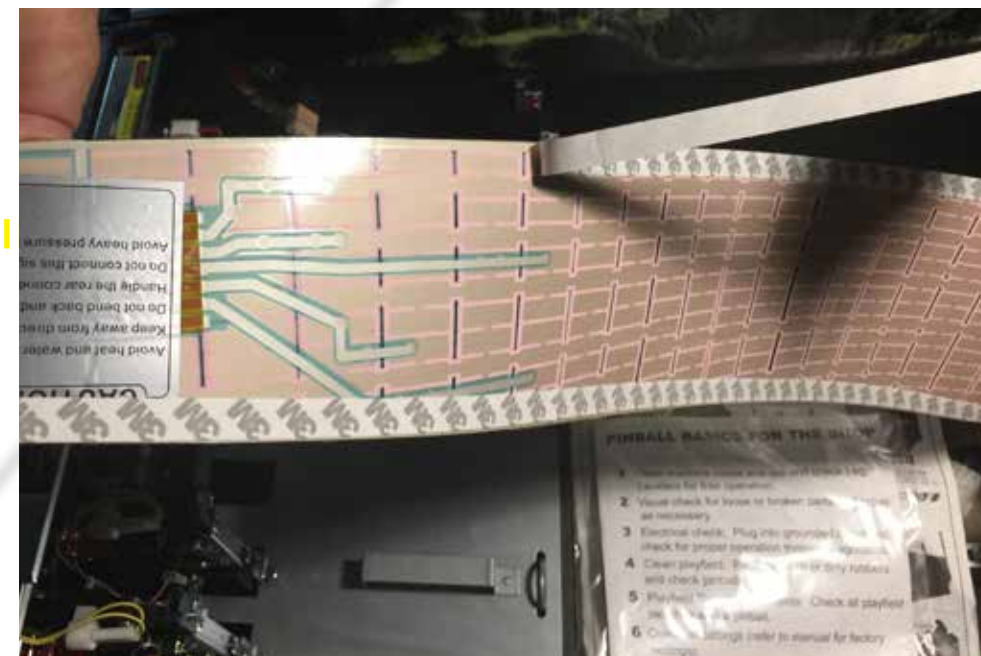
CALL YOUR BUDDY NOW  
 CAREFULLY lift play field straight up and  
 out in the up position and remove playfield  
 lean it on the side of the game.  
 Pictured left: We have placed a  
 moving blanket in between the playfield  
 and the cabinet.

*Please visit this YOUTUBE video for more  
 details on playfield removal*

<https://youtu.be/6Bh4U-dC8fc>

**STEP 3**

Remove the 3M adhesive tape  
 backing from the back of the Left  
 PowerBlade



**STEP 4**

Line up the PowerBlade with the corner  
 cabinet nut. (Stern)

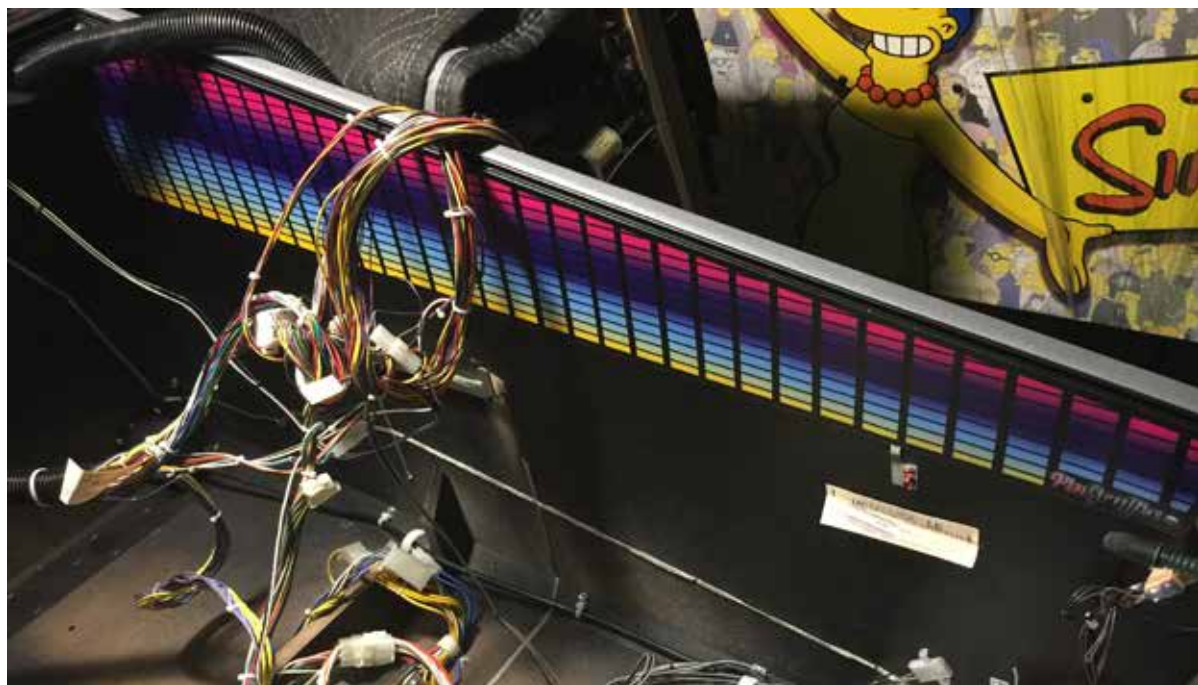
**STEP 5**

Allow a gap of 3/4 of an inch  
 between the Cabinet nut and the  
 edge of the Powerblade

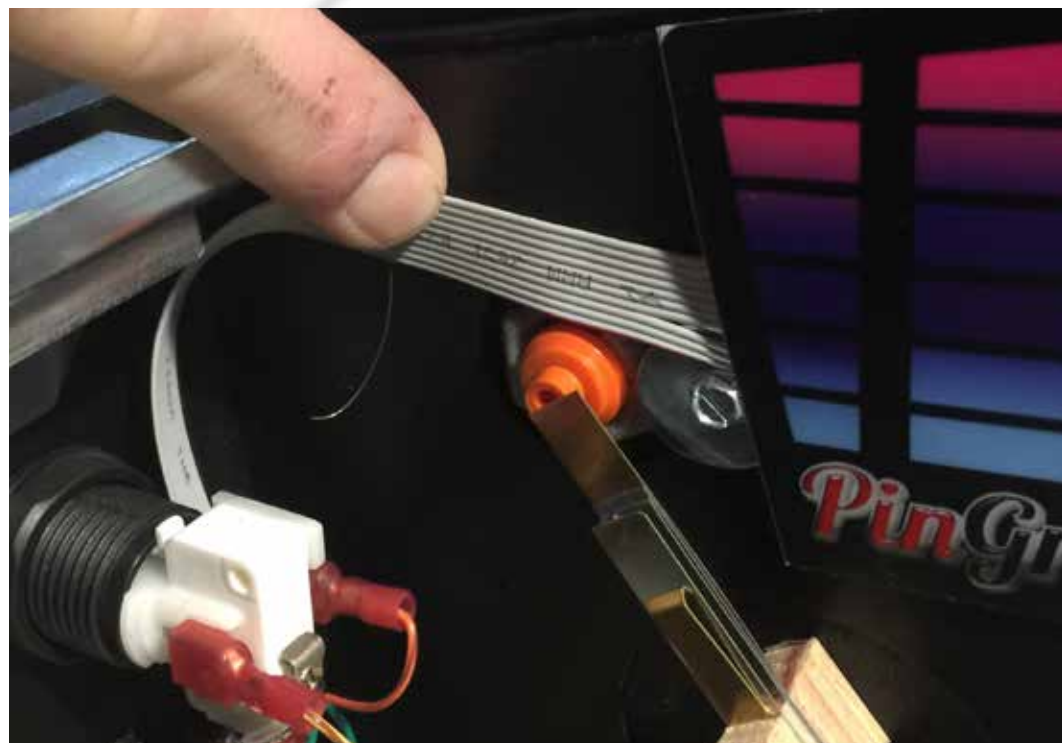


**STEP 6**

Gently rub the Powerblade against the sideboard until it looks like this on both sides.



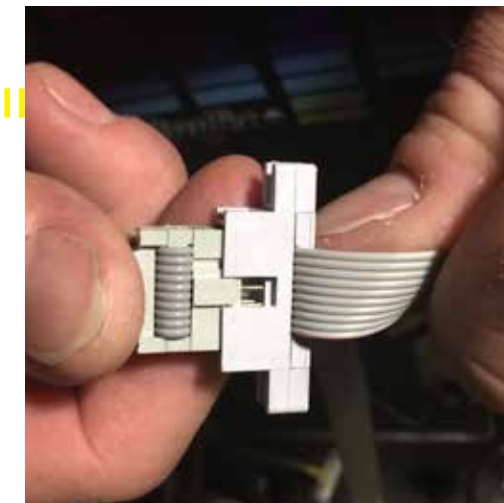
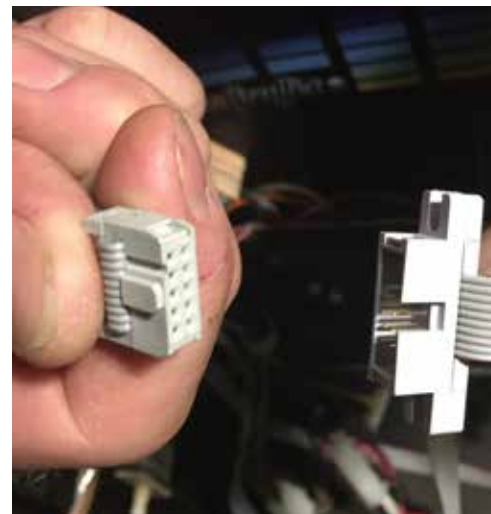
Route the ribbon cables around the flipper buttons in the front part of the cabinet. Make sure the ribbon cables are clear of the flipper switches and do not get entangled in them. This can cause a malfunction and damage the blades operation.



Do this to both the Left and Right sides.

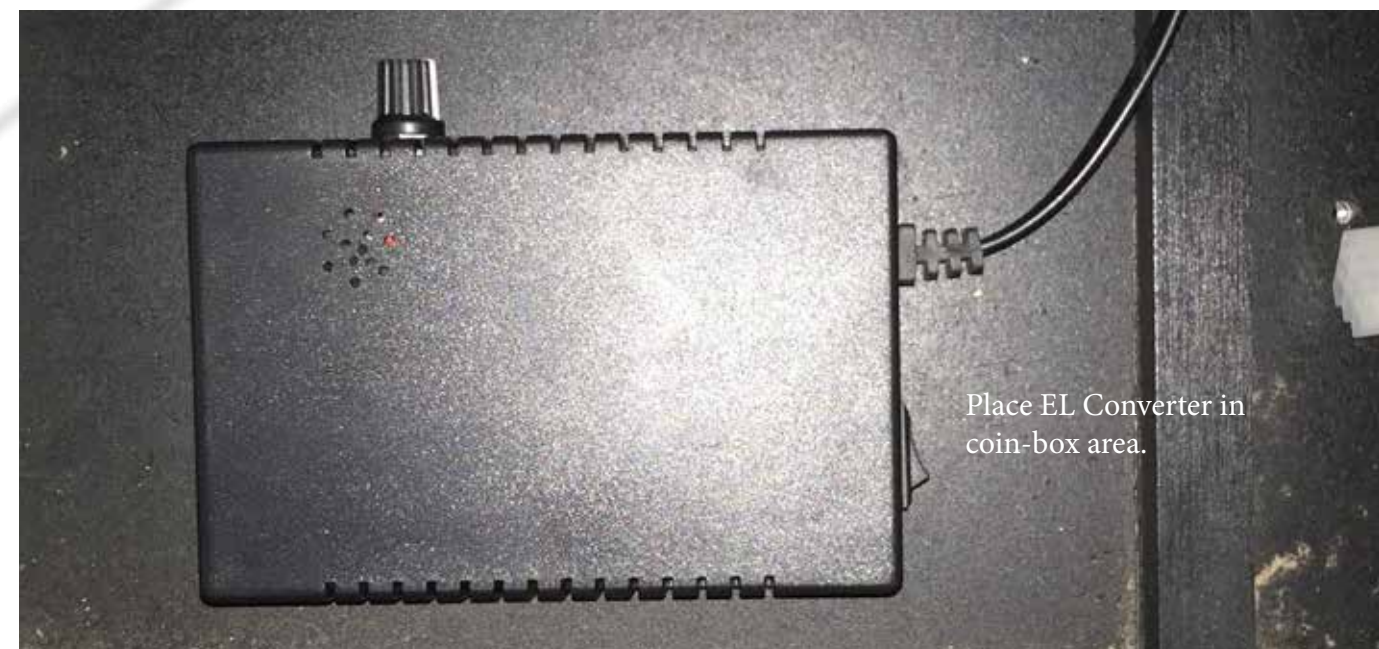
**STEP 7**

Next..Connect the ribbon connectors from the blades, into their appropriate connectors as pictured for both panels.



**STEP 8**

Take the black end of the small ribbon cable and plug it directly into the EL Converter box. Note the placement of the notch on top.



Place EL Converter in coin-box area.

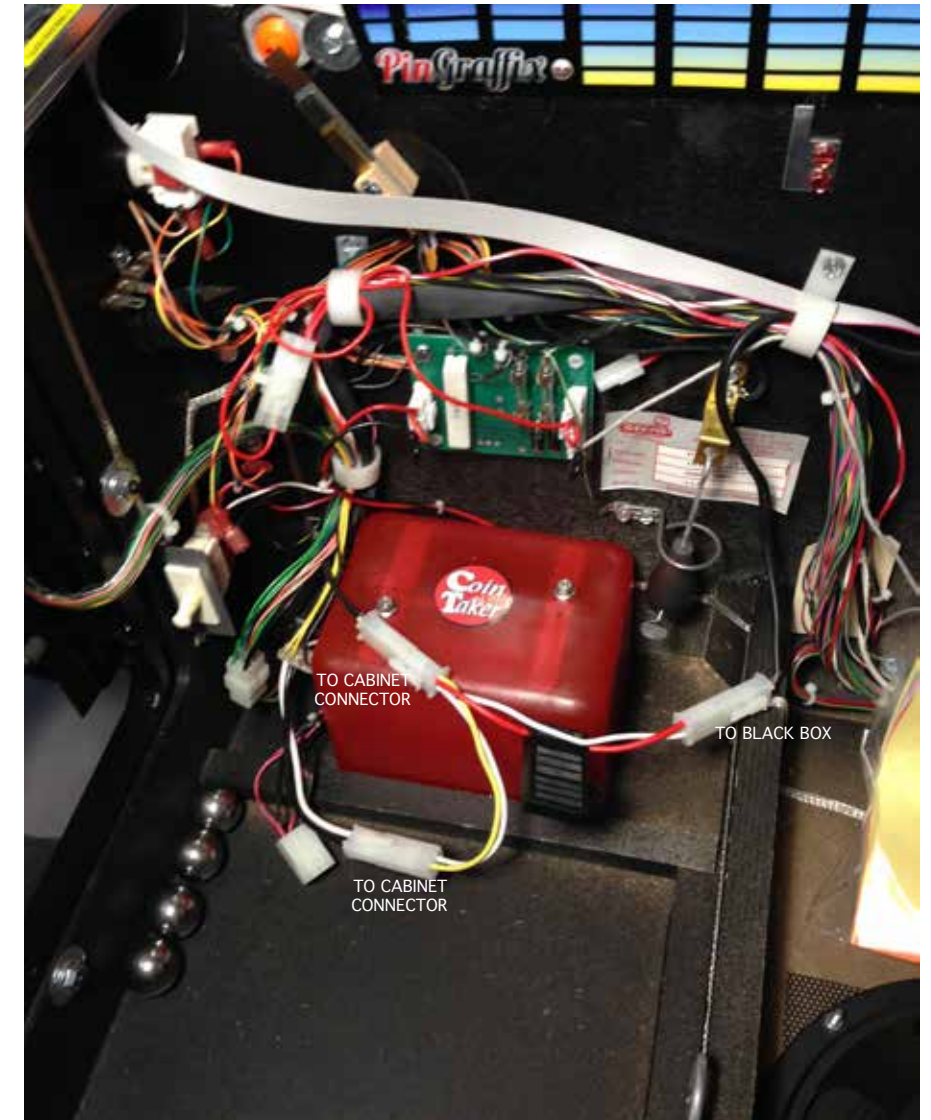


Locate the 120 Volts black and white molex wired plug and separate carefully. This plug is located on the bottom left inside the cabinet, next to the coin door.



Locate the wire harness. Plug the male end of the harness into the female connector, and splice the other male connector into the female connector on the harness.

The end result should look like this:





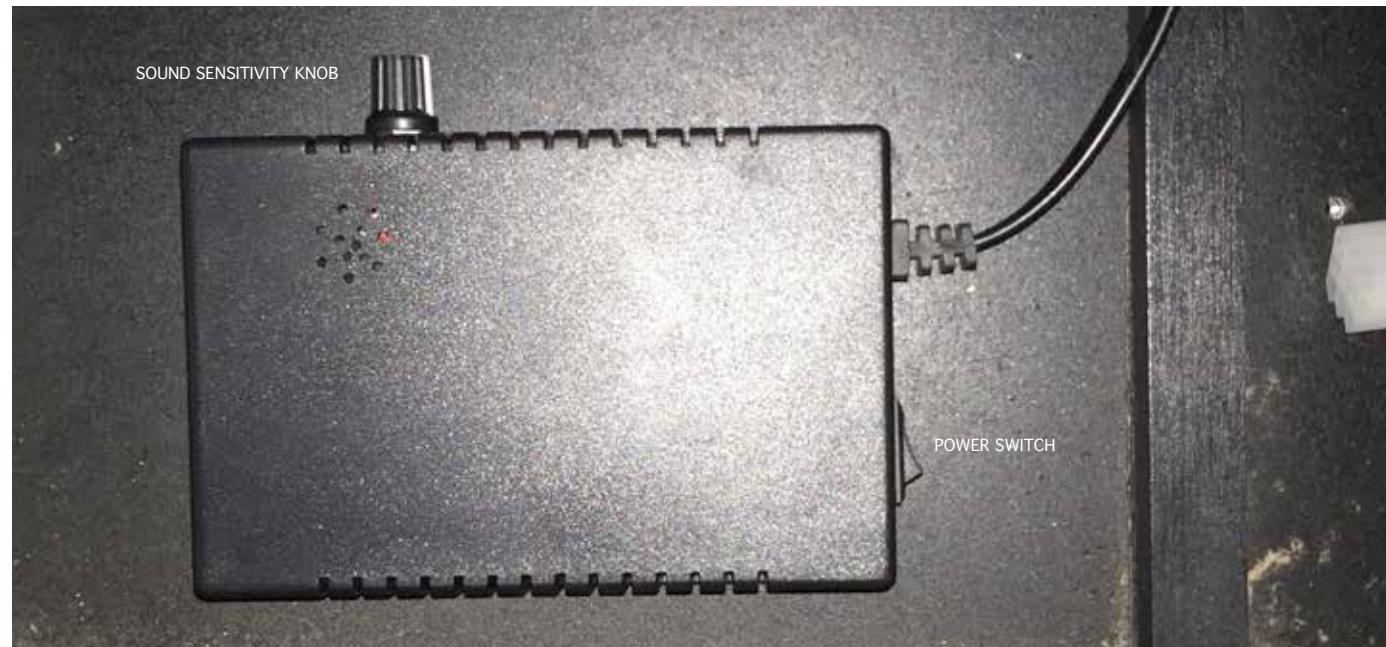
## Congratulations!

Your are now ready to play !

NOW PUT YOUR GAME BACK TOGETHER CAREFULLY.

It will take a few games to get the sensitivity correct and the effects you want. Play with the game volume and the sensitivity knob until you find that sweet spot.

You can also play with the GI Lighting settings for more dramatic effects.



Turn the power switch to the on position.



Turn the sensitivity knob to lowest setting at first.

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