



**WWW.PINGRAFFIX.COM**

Congratulations on your purchase of the  
Most technically-advanced interior  
Art Blades in the world..  
PowerBladez™!!



## IMPORTANT READ ME FIRST!



### DANGER ELECTRICAL SHOCK

Pinball machines have high voltages which can cause  
**DANGER TO LIFE AND LIMB. TURN POWER OFF and UNPLUG PINBALL MACHINE** prior to installation. Pinball machines are high voltage and can cause electrical shock. **MODIFY AT YOUR OWN RISK.**

*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 6 months from the date of purchase  
Never FOLD, TRIM, CUT 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 in any such instances.

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.

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

**REMEMBER TO ALWAYS BE CAREFUL WHEN RAISING  
AND LOWERING YOUR PLAYFIELD**  
Inspect your playfield for any rough edges or extrusions  
**BEFORE** installation.



# POWERBLADEZ

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

## STEP 1

FIRST THINGS FIRST

**UNPLUG YOUR PINBALL MACHINE FROM THE WALL.**

Remove Playfield glass, balls and raise playfield to upright position



*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 installation a lot easier.*



## STEP 2

Remove Backglass  
Lower speaker grill

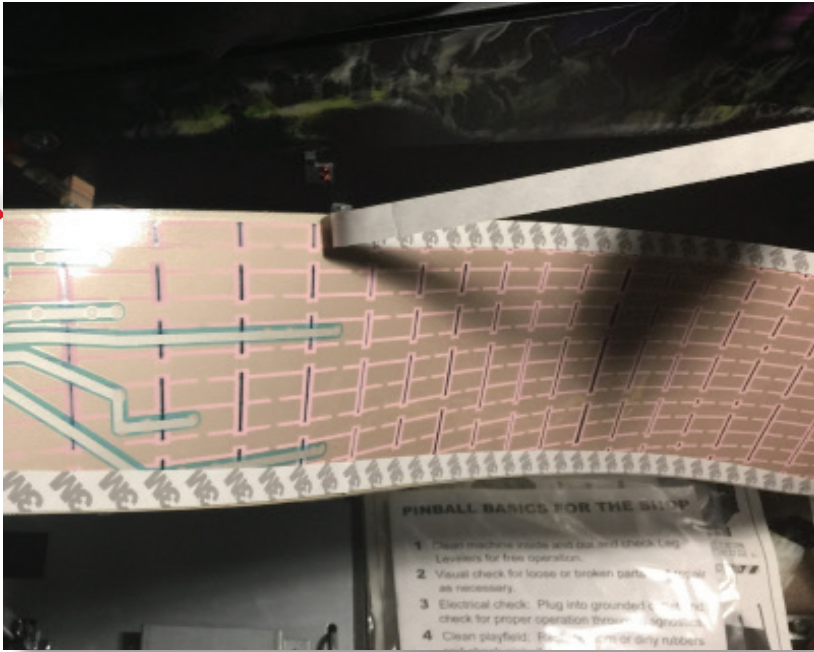


## STEP 3

Benathe the backglass in the lower right hand corner, There is a cover over the power box . You will need to remove that cover .

See The Stern manual on this for if you need additional help..





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

## STEP 4

Slide one side of the Powerblade into the side of the game. Place in position and then gently rub them against the side of the cabinet.

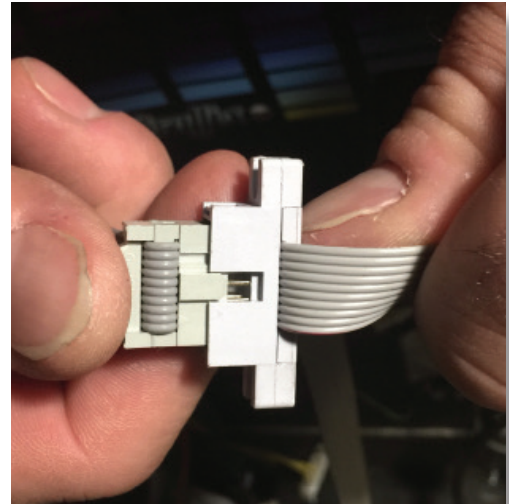
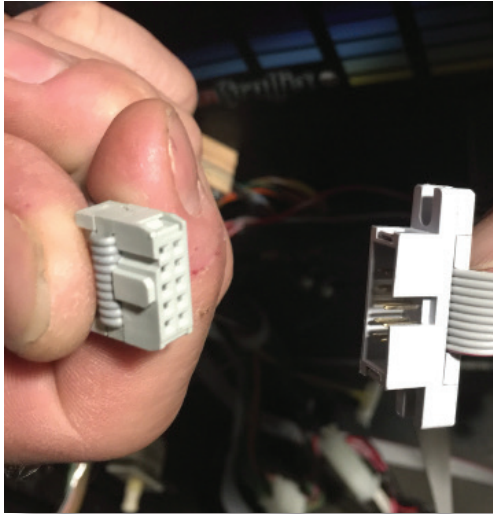


Repeat step 4 for the right side.

## STEP 5

Next..

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



## STEP 6

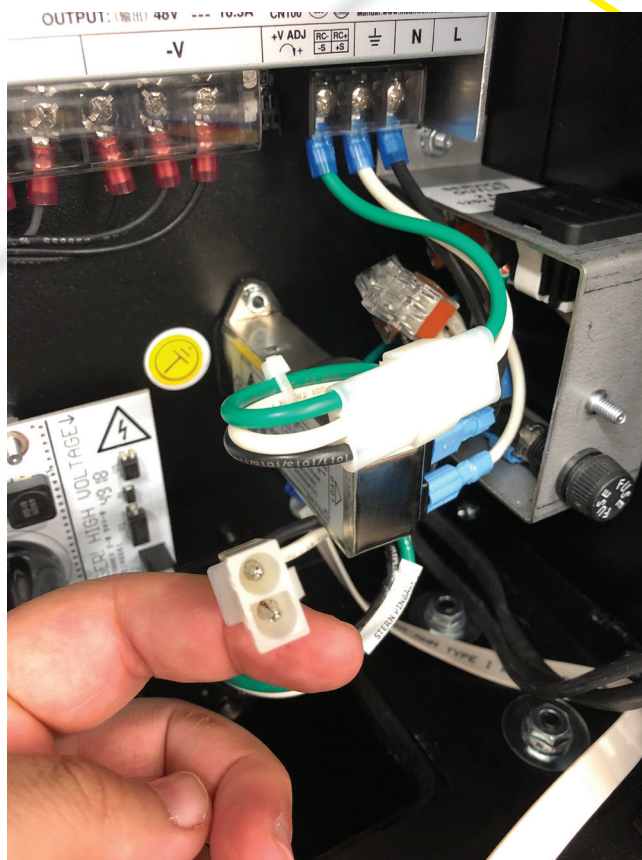
Take the empty end of the small ribbon cable and plug it directly into the EL Converter box. Note the placement of the "keyed" notch on top.





## STEP 7

Locate the power plug for the EL converter box and plug it directly into the back side of the EL Box as shown.

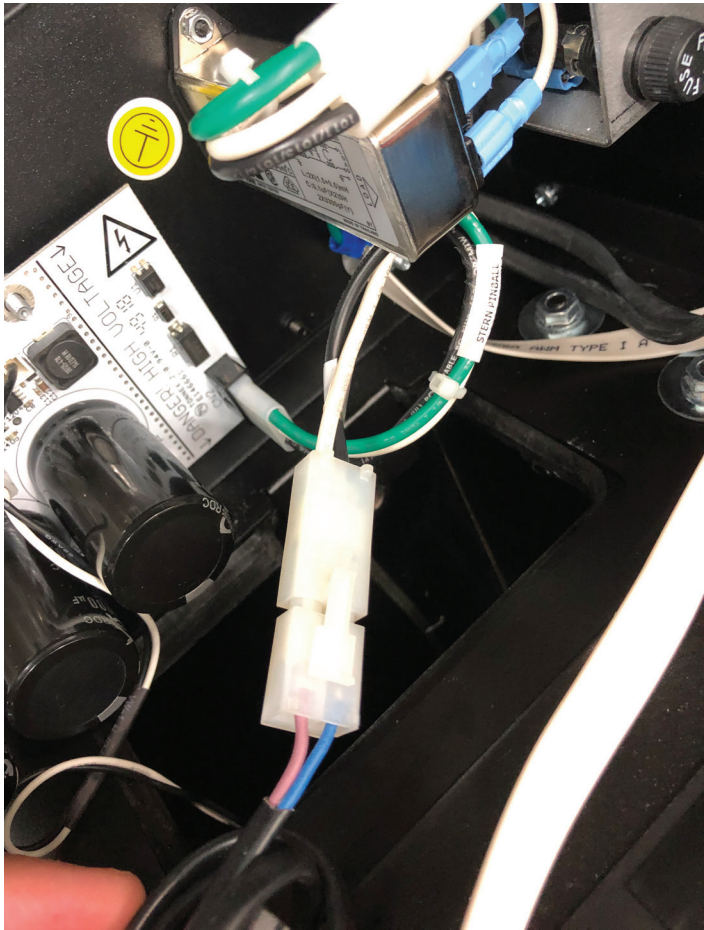


## STEP 8

Locate the female molex connector in the power unit behind the backglass.



## STEP 9



Connect the male end of the Powerblade powercord to the female connector. At this point you now have power connected.

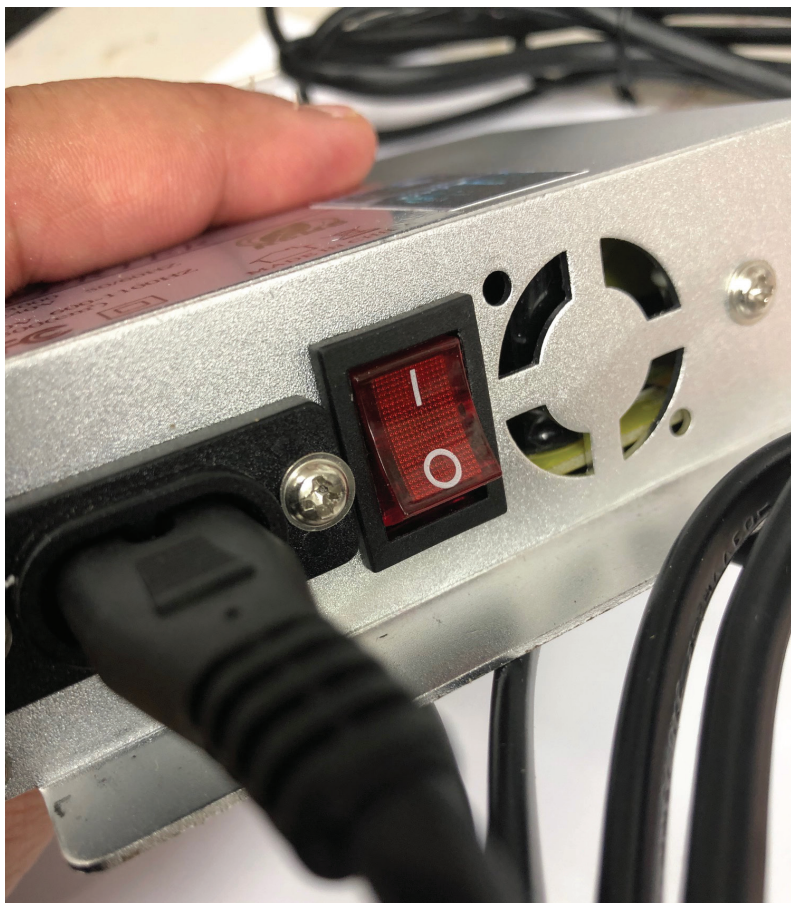


## STEP 10



Replace the metal cover over the power area and then close up the backglass and fasten lock.

## STEP 11



Turn the power switch to the on position.



Some units (depending on the title and design) may have a sound sensitivity knob on the back. This will control how reactive the blades will respond to the music in the game. Adjust accordingly to the sound of the game and the environment it is in..



This completes the installation

**REMEMBER TO ALWAYS BE CAREFUL WHEN RAISING  
AND LOWERING YOUR PLAYFIELD**  
Inspect your playfield for any rough edges or extrusions  
**BEFORE** installation.

Should you have any issues or for troubleshooting  
please contact [info@pingrafix.com](mailto:info@pingrafix.com)