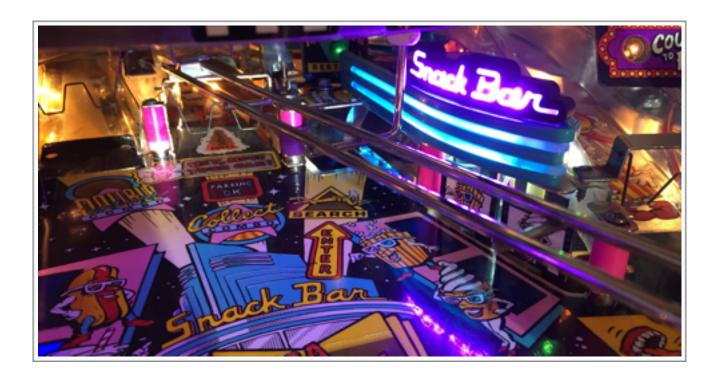
# Bally - 1992 Creature From The Black Lagoon (CFTBL)

# Creature "Snackbar Mod v6"

The Creature From The Black Lagoon "Snackbar Mod" has been produced for a number of years with over 350 units which covered v1 through to v5 but production now ceased by Swinks Pinball. It gave the CFTBL game that classic Snackbar feel. The instructions detailed in this manual show how to build a **Snackbar v6 kit** from beginning to end (which is a copy of the v5 except for the version number underneath and 2 ever so minor changes - removed non used holes).



### **Proudly Designed by**



www.swinks.com.au

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Note 1 - These instructions are specific for possibly 2021 release Snackbar v6 mod KIT only with LED edge lit 3D printed resin light blades and with a 3D backlit Snackbar Sign. Swinks does not paint nor assemble these as these are strictly for the super keen pinhead that loves the mod and wants to build one.

Note 2 - If you are contemplating building this mod from a kit you need some general skills or willingness to give it a try. Please review this "how to" manual and understand what you need to do, then if you are comfortable - go for it. The cost guide is based on early 2021 prices and items that need to laser cut or decals printed are subject of what you can locate in your area of the world.

Note 3 - SS = Stainless Steel (hereby referred as 'SS' throughout the rest of the manual).

Note 4 - all photos are of the last production v5 which is my display mod in which there are no differences to the kit ones except for the version number - a hole removed on the snack bar top and a unused hole removed on the SS plate.

#### **BIG NOTE:**

I am not opposed to anyone making a one unit or a small batch of Snackbars for their group of mates / locals but I will <u>not</u> share the STL files as I do not want the quality of the mod to drop by making these parts via home printing so please do not ask. The 3D printed parts can only be purchased from Shapeways to ensure quality is maintained - but Shapeways does offer a discount on multiples, and items like the decals and laser cutting is cheaper when spread across multiple items as would be the general hardware.

**Swinks** 

# 1. Tools and Safety

First thing is determine if you have the tools needed to prepare and complete you Mod Kit.

### Tools necessary to build the mod kit

- 1 x 4mm Tap & Tap Handle or a Cordless Drill (but be careful if inexperienced)
- 1 x Sanding Block

Few sheets of 240, 320, 400, 600 grit sandpaper

#### Tools necessary to assemble and fit the mod kit

- 1 x Phillips screwdriver to remove existing pinball screws
- 1 x 5/16" socket driver to remove existing pinball nuts
- 1 x 5/16" or adjustable wrench / spanner / shifter (called different things in different countries)
- 1 x 2.5mm metric allen key
- 1 x 2mm metric allen key

# 2. Purchase all Parts

You will need to acquire your parts from a few places, mainly:

- Swinks Pinball
- Shapeways
- Comet Pinball
- Hobby Shop
- Hardware / Ebay

Table 1 - Purchase Parts List

Item	Description	Parts needed	From Where	Order - Tick whe purchased
1	FILM Decal - v6	1	Files from Swinks	
2	SNACKBAR Decal - v6	1	Files from Swinks	
3	Snackbar SS 1mm Grained Plate - v6	1	Files from Swinks	
4	Snack Bar Top - v6	1	Shapeways	
5	Snackbar Neon Bars Set - v6	1	Shapeways	
6	Snackbar Sign Housing - v6	1	Shapeways	
7	Snackbar Sign Insert - v6	1	Shapeways	
8	MATRIX QUICK CONNECT BULB - 44/47 - Warm White - Frosted	1	Comet Pinball (USA)	
9	MATRIX 2 Way Splitter	1	Comet Pinball (USA)	
10	MATRIX 3" Extension Lead	2	Comet Pinball (USA)	
11	MATRIX 10 SMD 6.3V Strip (ice blue - clear) - for snackbar neon	1	Comet Pinball (USA)	
12	MATRIX 10 SMD 6.3V Strip (purple - frosted) - for snackbar sign	1	Comet Pinball (USA)	
13	MATRIX 3 SMD 6.3V Strip (warm white frosted) - for top lighting	1	Comet Pinball (USA)	
14	Tamiya Paint - Coral Blue TS-41	2 Cans	Hobby Shop / eBay	
15	Tamiya Paint - Pink Undercoat Surface Primer	1 Can	Hobby Shop / eBay	
16	M3 x 10mm (or 12mm) Countersunk Allen Headed Bolt - Stainless	3	Source Yourself	
17	M3 SS Washers - Stainless	3	Source Yourself	
18	M3 Nyloc Nuts - Stainless	3	Source Yourself	
19	M4 x 8mm Button Head Socket Bolt - Black	4	Source Yourself	
20	M4 x 16mm Button Head Socket Bolt - Stainless	2	Source Yourself	
21	M4 SS Washers - Stainless	4	Source Yourself	
22	N52 10 x 3 x 3mm Hole Strong Round Neodymium Magnets	10	Ebay	
23	Cable Tie	1	Source Yourself	
24	Sticky Back Velcro Loop	1	Source Yourself	

#### 2a - Swinks Pinball

These 2 parts are very critical parts which I have zero stock of both the Stainless Steel Plates and Decals - so you will have to do a little hunting and get someone to make them for you. You will need to source your own laser cut plate which I can share the DXF file and can share the decal ILLUSTRATOR file as well. I recommend you to not purchase anything until you have reached out about stock / files and be aware that you need to get your own parts made but there are many online services that offer this service. The files would be issued in metric so you need to let them know if they work in imperial and they can scale appropriately if required up or down by 25.4. Parts 2b through to 2e are readily available - so follow the links.

### Contact via - swinks.pinball@gmail.com

Decals - Illustrator (ai) Print ready Files for 2 sets of the Snackbar and Film Decals are available from me upon request. The white line represents the cut line for the decals while the colour bleed past the cut line ensures a quality print - ensure to let the printing company know not to print the cut line - it is there just to show them where to cut. It is recommended to get these printed in vinyl, with semi-gloss or gloss UV laminate over the decal and profile cut.



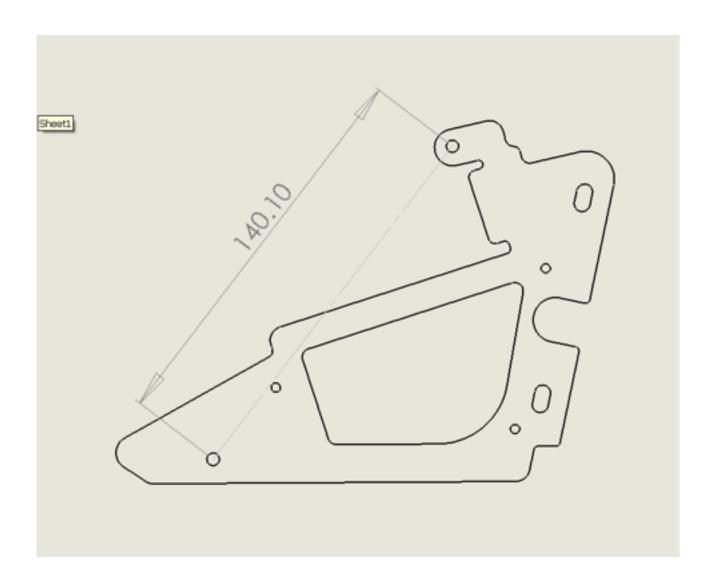
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Stainless Steel Plate - CAD ready (DXF) cut ready file for one plate - 1mm thick Stainless Steel, shiny but grained length ways - ensure the protective plastic is left on the top (good) surface during cutting and pickup. Below is an image of what the dxf looks like and the dimension (in millimetres) is a check but ensure they do not cut that out. I will supply 2 files - one with the dimension check and the other without it.

If you are in the USA there are on-line businesses like SendCutSend that you can send this file to have parts cut quite affordably.

### https://sendcutsend.com/

Hobby Builder Feedback - One Pinsider early Feb 2021 sent the file to sendcutsend and bought 2 plates including deburring which tallied up to be \$9.91 for each plate plus a \$9.18 small run set up fee = \$29 USD with free shipping for 2 plates.



### 2b - Shapeways

You will need the following parts - go to Shapeways (The Netherlands and USA) and search with the following search word:

#### swinkssnackbarv6kit

or

### https://www.shapeways.com/marketplace?q=swinkssnackbarv6kit&sort=price

in which you need to order these parts:

- 1 x Snackbar Top v6
- 1 x Snackbar Neon Bars Set v6
- 1 x Snackbar Sign Housing v6
- 1 x Snackbar Sign Insert v6

Unfortunately the top is considerably more expensive compared to when I was purchasing 20 at a time taking into account hundreds over 6 years so I was getting a much better price.

#### "swinkssnackbarv6kit" 4 Results



Snackbar Top v6 - Kit Build \$105.00 by Swinks Pinball



Snackbar Neon Light Blades Set v... \$22.25 by Swinks Pinball



Snackbar Sign Housing v6 - Kit Build \$16.25 by Swinks Pinball



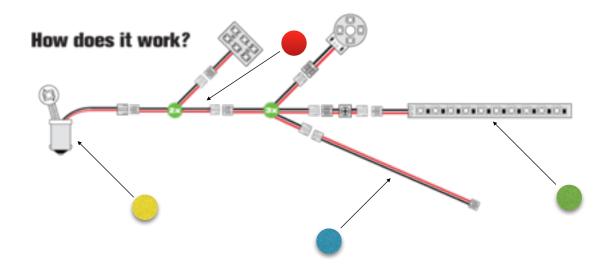


Snackbar Sign Insert v6 - Kit Build \$12.50 by Swinks Pinball

#### 2c - Comet Pinball

- Lighting is supplied by Comet Pinball (USA) using their cool products from their Matrix range. See a coloured arrows referencing the components.





### To find these parts:

- 1 x Quick Connect bulb https://www.cometpinball.com/MATRIX-1-SMD-5050-FLEX-6-3V-QUICK-CONNECT-p/mtx1smdflex.htm
- 1 x 2 Way Splitter
  https://www.cometpinball.com/MATRIX-2-and-3-Splitters-p/mtxsplit.htm
- 2 x 3" Extension Leads https://www.cometpinball.com/MATRIX-Wires-p/mtxconnect.htm
- 1 x Ice Blue Strip (10SMD) & 1 x Purple LED Strip (10 SMD)

  https://www.cometpinball.com/MATRIX-10-SMD-5050-6-3V-LIGHTED-STRIPS-p/
  10smd6.3vstrip.htm
  - 1 x White LED Strip (3SMD)
- https://www.cometpinball.com/MATRIX-10-SMD-5050-6-3V-LIGHTED-STRIPS-p/ 10smd6.3vstrip.htm

Note 5 - I generally fitted out the Sign with Frosted Ice Blue & Purple LED's for the neon tubing.

# 2d - A Hobby Shop / eBay

2 x cans of Tamiya Coral Blue TS-41 (100ml cans)



1 x can of Tamiya Pink undercoat / surface primer (180ml can)



### 2e - Hardware / Ebay

Note 6 - I have included some pictures to aid in determining what some of the parts are.

Note 7 - You could use imperial equivalent for bolts, nuts and washers but the holes are ready for metric tapping so you will need to factor that in as well.

3 x M3 x 10mm Allen Headed Countersunk Screws - Stainless Steel

- 3 x M3 Washers Stainless Steel
- 3 x M3 Nyloc Washers Stainless Steel



- 4 x M4 x 8mm Allen Headed Button Screws Black Steel
- 4 x M4 Washers Stainless Steel



2 x M4 x 16mm Allen Headed Button Screws - Stainless Steel



7-10 x (3mm thick x 10mm diameter) Neodymium Rare Earth Magnet with a 3mm countersunk hole



1 x Cable Tie

<sup>\*</sup> possibly some sticky back hoop velcro

# 3. Completing Required Work to Certain Parts

Now that you parts have arrived you can start to work on each preparing them for installation.

### Part 1 - Build the Sign

- Start with the Sign as there is no painting required.
- Note 8 there are 2 approaches to this assembly.
- Note 9 the photos of the housing is from the Snack Bar Sign only Mod as slight difference in the bolt down section but the principal is the same I missed certain photos when building the last v5.

### Approach a

i - line up both parts



#### ii - insert a end



iii - press in so it is flush with the bottom of the housing (this is semi difficult)



iv - use a small steel rule or kitchen knife to press the resin letter into the housing cut outs - start at the end (a little difficult) which will require a little bit of force. Use your finger over the letters to aid in holding the letters in place while pushing behind the resin. Once pushed it it will be fairly flush - photo will shown at the end of installing approach **b** 

#### Approach **b**

i - if you opt for the install in 2 parts (easier way) below is a image of 2 resin prints and you will notice in-between the  $\underline{k}$  and the  $\underline{B}$  is a groove. This is a designed intentional weak point. Simply put a thumb on the  $\underline{k}$  and a thumb on the  $\underline{B}$  and bend in and it will crack pretty much on the groove. You will need to sand 2 edges a little to gain about 0.5mm clearance for easier installation. There is a slight risk of cracking away from the line just so you are aware.



ii - slide the <u>Snack</u> part in and using a knife press from the back of the resin insert until the letters of the resin insert are flush with the housing front face.



iii - now it is easier to insert the  $\underline{\text{Bar}}$  part in and repeat the install process and then it is finished.



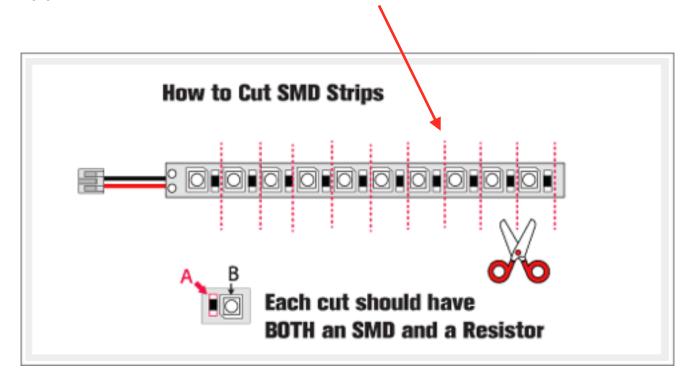
# Part 2 - Fitting the Lighting to the Sign

i - First open up the bag with the 10SMD lighting strip. You will only need the strip and not the smaller bag of connectors though keep these as they maybe handy in the future.

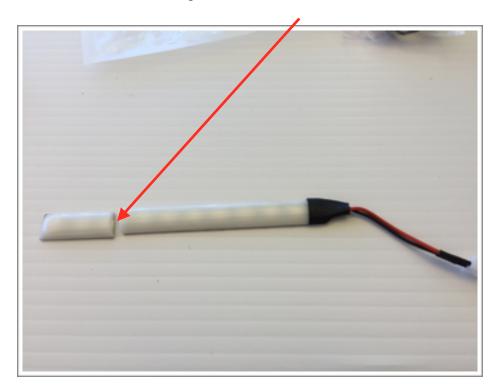




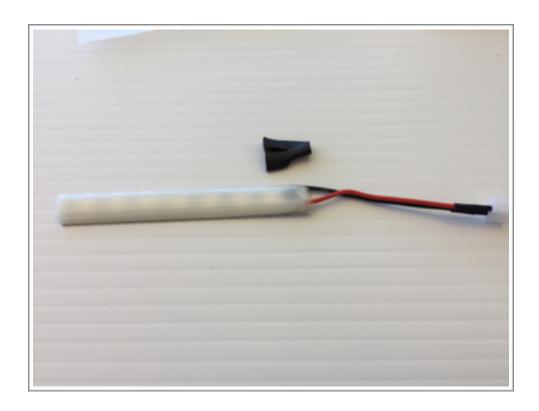
ii - The strip needs to be trimmed down to 7 SMD's to fit into the Housing and while the clear strips would be easier to perform the trim, the frosted strip gives you a better look once installed. Comet Pinball supply the below image and while is is very handy it does have a slight mistake. At the end of the strip the SMD and Resistor are flipped around which can through you off as you will notice 2 black dots close together. Remove up to here:



which can be seen here - see the edge of the 3rd LED.



iii - Remove the heat shrink so the remaining 7 LEDs strip can fit into the housing behind the resin insert.



iv - Insert the now 7SMD into the back of the housing with the wiring coming out of the  $\underline{r}$  end. (this is a image of the proper housing).



# Part 3 - Assembling the Stainless Steel Plate

i - Ensure the SS plate is free of sharp edges and burrs on both sides, including all holes.

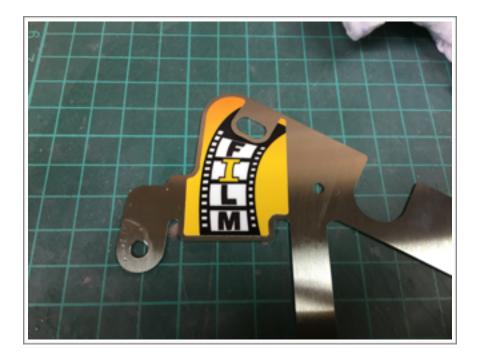
Note 10 - make sure the top surface is kept as clean and free of scratches.



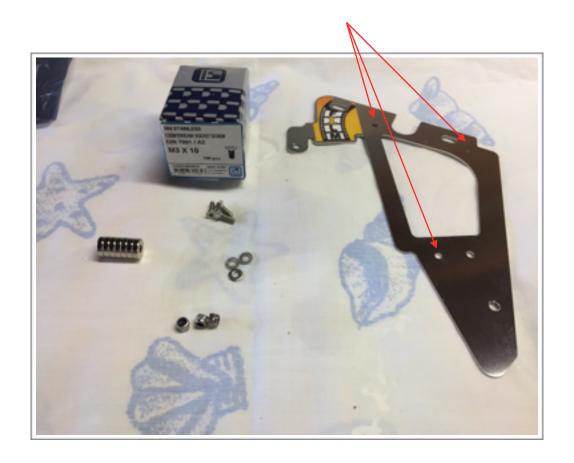
ii - I tend to use a water and soap mix as then this gives you a little more wiggle room to get the decal right. Spray the plate in the area of the decal.



iii - Now lets apply the FILM decal to the SS plate - keep the decal balanced on both sides and front edge.



iv - Now lets fit the magnets to the plate. You need 2 magnets for each hole. Insert and M3  $\times$  10 countersunk screw through one magnet and then through the hole with a washer and nylon nut fitted to the underside. Repeat this for the 3 identified holes.





 $\nu$  - Now simply add a remaining magnet to the top of each installed magnet with the cup of the magnet hole facing up as this is where the bolt installed in the Snackbar Top will magnetise to.





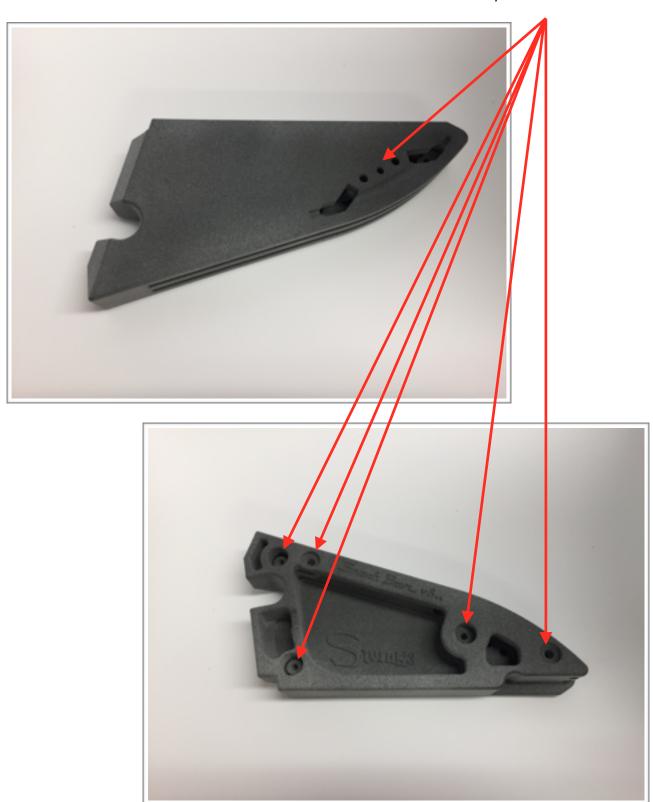
 $\underline{\text{Note 11}}$  - this is just an example of how the bolt will sit in the magnets. But the bolt is installed into the Snackbar Top - explained later on.



### Part 4 - Tap / Thread Holes in the Snackbar Top

There are 6 holes to tap with a 4m tap. I use a cordless drill and some wax and re wax the tap after doing 2 holes. The alternative is to hand tap and no wax - make sure to wind a turn and back off a half turn and continue until you thread the hole. Here are the 6 holes.

Tap these holes

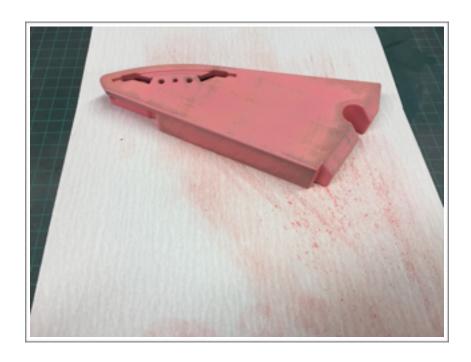


### Part 5 - Sand and Paint the Snackbar Top

Now time to sand & paint the Snackbar Top. 3D printing can vary but just in case I generally go over it (top, bottom and sides) with 240 grit as the printed part is good but needs to be finer as paint will show up all imperfections.

**Tip** - I have one large piece of sandpaper taped to a nice flat table top and slide the Snackbar top against the paper - as it is better for a larger sanding stroke and avoids unwanted rounding near edges when sanding with a small sanding block.





Do not rush the painting stage as it will affect the end quality. I took both the the lids of the 2 cans of paint you purchased and placed them on a saw horse right next to each other and then placed the mod on top so you can't see the lids extending past the sides and used the following technique leaving a day between coats - moving indoors to a safe and dust free storage location to dry between coats.





Note 12 - I never try to paint the underside and top side in the same day. Also don't be tempted to lay the paint on thick - it will gloss up with multiple coats over the following paint process.

### i - Undercoat

# 1st Coat of Undercoat

• Paint - I undercoat the underside and the sides first and not worry about sanding for the next undercoat.



• Paint - I undercoat the top side and the sides next.



### 2nd Coat of Undercoat

- Sand I then sand with 240 grit
- Paint I undercoat the bottom & sides a 2nd coat



- Sand I then sand with 240 grit
- Paint I undercoat the top & sides a 2nd coat



• Sand - I then sand with 320 grit ready for colour

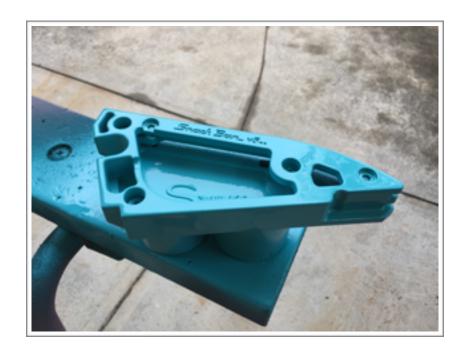
### ii - Blue Coat

• I then paint the coral blue in the following order with 24hr drying time between each coat from here on in.

### 1st coat of Blue

- Paint I add colour to the underside and sides
- Sand I then lightly sand 320 grit sand
- Paint I then add colour to the topside and sides





#### 2nd Coat of Blue

- · Sand I then lightly sand 320 grit sand
- Paint I add colour to the underside and sides
- Sand I then lightly sand 600 grit sand (though do not sand the surface and bottom edges just the sides)
- Paint I then add colour to the topside and sides

#### 3rd Coat of Blue

- · Sand I then lightly sand 600 grit sand
- Paint I then add a **final** colour coat to the tops and sides but this depend on > if you really need some more gloss or have a minor imperfection so if more is needed do the following

#### 4th Coat of Blue

Below is extra if you feel it is needed

- Sand I then lightly sand 800 grit sand (top and sides only)
- Paint I then add a final colour coat to the tops and sides

Then the mod is ready to cure for 5 - 7 days so when applying the decal that paint is not affected and pulls off if you happen to need to remove a decal on install or down the track.

# Part 6 - Installing the Decal to the Top

i - You will have one painted top and one decal and you will need a spray bottle with all water and a couple of drops of dish washing liquid - search Youtube for decal application if you need to learn before applying this decal.



ii - Spray the top of the Snackbar Top until it beads up.



iii - Remove the backing and roughly align you decal so it has a even spacing at the top near the horse cutout and the sides and lower into place and let the decal rest.



iv - Now I recommend using a good and clean micro fibre cloth to push the decal down and remove the water to minimise the possible scuffing of your decal. Start from the middle where the cluster of stars are and apply the decal in the centre and then push the decal down from the middle to the pointy tip and vinyl decals can stretch.

Note 13 - watch that the decal stays in line with the long straight edge keeping even spacing.



 $\nu$  - Now start at the centre and apply the remaining half of the decal down up to the horse shoe cutout and hopefully has stayed aligned and it looks nice.

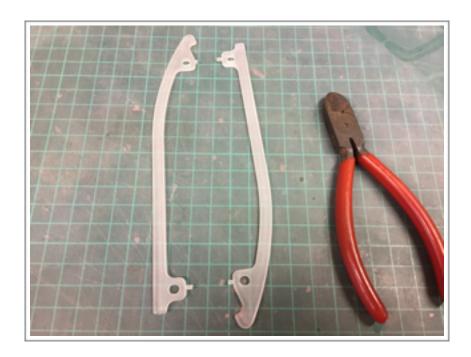


# Part 7 - Trim the Neon Light Blades

i - You Neon Light Blades will come delivered cut as it is a cost saving approach for printing.



ii - You will need a hobby knife or a pair of side cutters to separate the Neon Light Blades.



iii - You will then need to carefully trim the small branch joiners with a knife and lightly sand this area with 320 grit.



### Part 8 - Installing the remaining parts to the Snackbar Top

In this step you will be installing the following items:

- the magnet lock screws
- the neon light blades
- the signage
- the wiring

i - The magnet lock screws are 3 bolts (M4 x 8mm Allen Headed Button Bolts) into to these holes. The washers are used to space the bolts heads further out so you can get the ideal even spacing between the snackbar top and stainless steel plate - aim for 1mm gap. The bolts must be black do not use stainless steel as then these will not attach to the magnets.



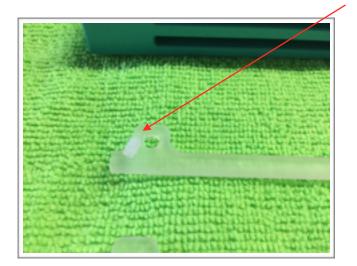
# ii - This is how it looks with the bolts installed.

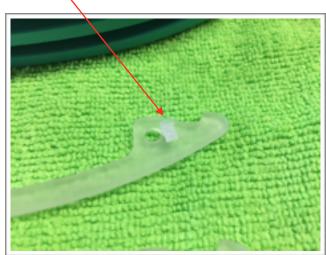


iii - Now for the neon light blades installation. You will 2 neon light blades and 2 bolts (M4 x 16mm Allen Headed Button Bolts).



iv - Due to slight printing variations and the clamping mechanism the top neon light blade maybe a little loose. I use pieces of velco loop cut at about  $2 \times 4$ mm and apply on the top side near the mounting holes as this takes up the looseness. LHS & RHS





v - start with inserting the bottom light blade and then the top one starting at the OPEN side first and the small pieces of loop velcro can make it tight so take care. The velcro may slide forward a little.



vi - Now flip the top over and install the 2 bolts into their dedicated holes.



vii - Tighten up the screws ensuring the neon light blades are adjusted to your liking.





viii - Now install the ice blue 10xSMD led strip with the end equal with the end of the hole.



ix - Now cable tie the led strip with the available slots made available.



 ${\bf x}$  - Now secure the cable tie and now connect up a 2 to 1 cable joiner and a 3" extension lead as shown.



xi - Now you are ready to install your previously assembled SnackBar Signage.

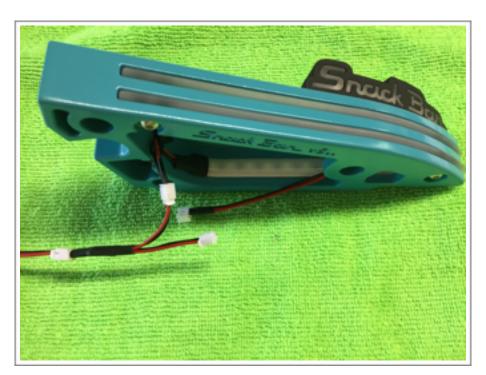


xii - Now feed the signage lead down the hole near the tip.

Note 14 - The tops of a v6 Kit will only have a hole near the tip with the hole near the mid way removed as found to be not as effective and bled light down into the neon light blade area.



xiii - When feeding this cable through make sure it comes out the large opening and not the small opening.

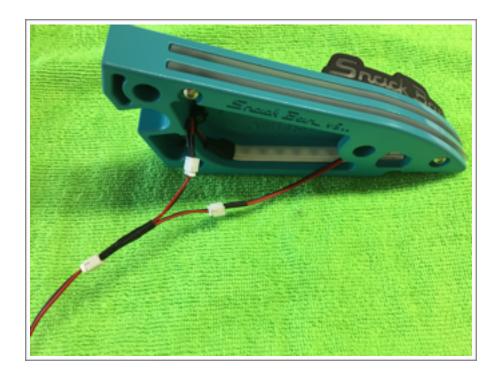


xiv - Now secure the signage with 1 bolt (M4 x 8mm Allen Headed Button Bolt) - align the sign to the front of the snack bar top though there is some slack so you can rotate a little more to your liking.





xv - Now finish off the signage wire connection to the 2 to 1 lead.



xvi - This is more to show you the remaining of the wiring so connect the bulb adaptor but I tend to disconnection the bulb adaptor and 3" extension lead form the 2 to 1 lead and install into the game and the plug the extension lead into the 2 to 1 lead due to space.



xvii - Now time to test fit the top to the magnets. If alignment is not spot on simply rotate a magnet via the nut in a loosen direction a 1/4 of a turn. It doesn't take much and typical adjust the front tip one until right.

Note 15 - rotating the magnet nut in the tightening direction may crack a magnet.

Note 16 - when installing the mod into the game this could change again as the plate may have a slight bend due to fitment so repeat the above step once installed.



xviii - now check the gap between the top and the plate and you might have to add or remove a washer to get right. Now you are ready top install your mod.



# 4. Installing your Kit Snackbar Mod

Congratulations you have made it to the install stage.

When you mod is finished and ready to install the completed kit should look like this:



### **SAFETY NOTES**:

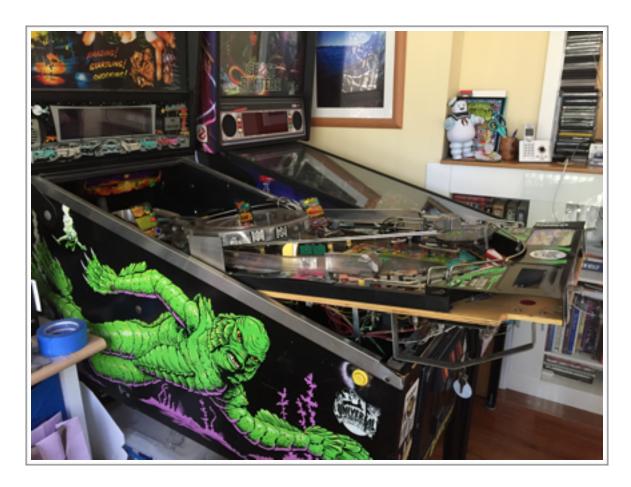
Make sure that your machine is powered off and the power cord running from your machine to the wall outlet has been turned off / disconnected to remove all risk of electrocution.

Read through all these instructions carefully & completely before attempting the installation of this enhancement. Although you may know your machine inside and out, there are a few things to consider before proceeding.

# 4.1 - Removing the Snackbar Plastic

## Step 1

- Remove the lock down bar and playfield glass.
- Slide the playfield out until it sits on it's service brackets on the locking bar as shown in the image below to give you a little better access especially if you have multiple games in a line-up.



 You will probably have a full or most probably a damaged Snackbar plastic installed in your game.



• Remove the centre sign post bracket (the one with the 'super jackpot', 'jackpot', 'rescue' and 'multi-ball restart' plastic attached to it). Keep the nut as you'll be re-attaching it after you complete installing the new Snackbar Base Plate.



• Remove the 2 x 5/16" nuts and the phillips screw securing the original Snackbar plastic in place, resulting in what is shown below.

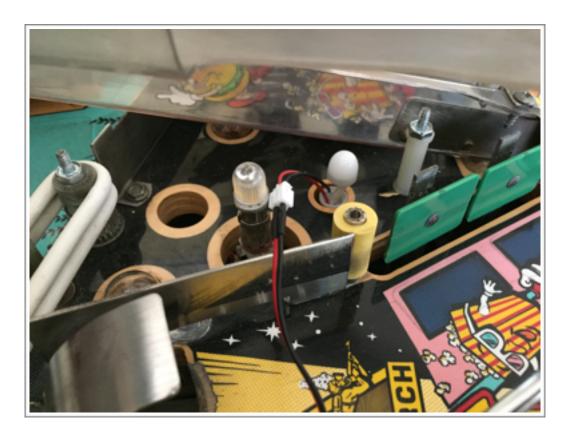


## 4.2 - Installing the SS Base Plate & Lighting to your Game

#### Step 1

• Remove the GI Bulb and install the supplied bulb with the upgraded adaptor lead fitted with the 3"extension lead.

Note 17 - This is a good time to change any post rubbers or install some target decals etc to save removing gear at a later stage to do this - I went from yellow to hot pink and the long awaited flower pot rubber near the snack bar hole and target decals.



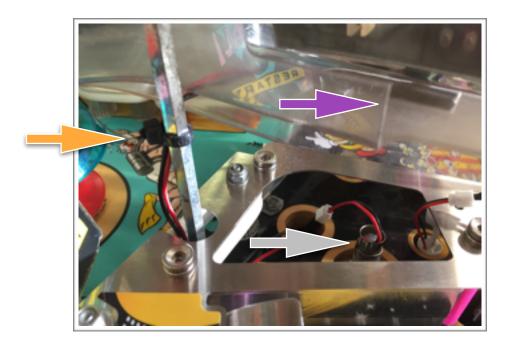
• Install the SS base plate into the location over the 3 current screws. Refer to the photo below.



- Red Arrow Fasten the original nut over the SS plate.
- Yellow Arrow Install the sign bracket / plastic and with lights in the original location with the once everything else is fastened.
- Green Arrow Install the original screw through the SS plate hole and into the post supporting the plate.
- Blue Arrow Install the single supplied washer over the screw on top of the SS plate, otherwise the nut bottoms out and the plate will still be loose see the additional photo below. Then install the original nut over the same post that the washer was placed on and fasten down.

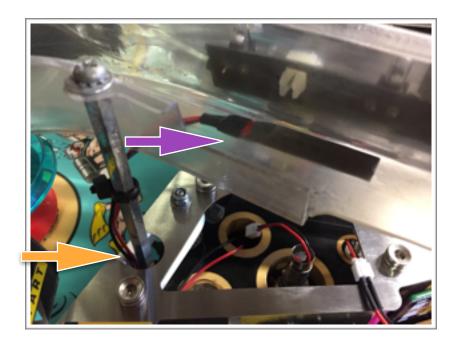


In your kit is a #44/47 plug with a short lead and then a 3 x SMD LED with a long length of wire. Insert the plug in the what normally would be the dome feature socket - see the Grey Arrow.



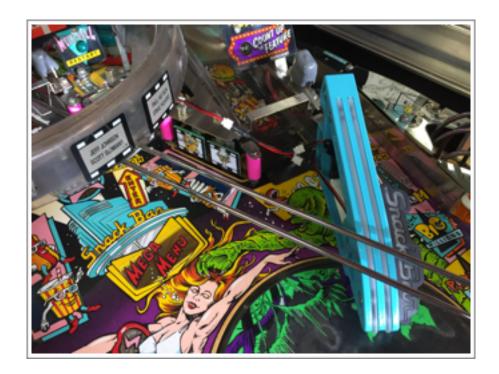
### Step 4

Now fasten the LED strip to the underside of the ramp - see the Purple Arrow shown above and better below. Placement of this strip is up to you - I chose this location as I can not see it from a players perspective. It is recommended to feed the lead wire down the hex post and through the middle of the rubber and into the Snackbar void. Once routed then secure the wire to the hex post - see Orange Arrow and then feed the excess into the hole near the hex post so it sits under the play field for a less congeste



## 4.3 - Installing your Snackbar Top into your Game

• Line up your mod as displayed (laying on it's rhs side face on the playfield) like in the photo below and connect the GI lead into the splitter lead that is pre-assembled to the mod. Then feed the excess lead into the cavity when you move the mod into position.



• Then when you have fed the wiring into the cavity try and feed excess into the large spare playfield hole and where possible keep away from globes.



• Then the Snackbar Top simply drops in place on to the magnets locking the mod into place.

Note 18 - If the mod seems crooked or not sitting flush - there is a good chance some of the wires may have got caught between the plate and Snackbar Top. Simply lift and re-position any stubborn wires out of the way - preferably using the large playfield hole to feed excess cabling down into.





• Now it is time to test check the lighting. Re-connect the games power, turn the machine on to ensure the bulbs and light blades light up and then off again. Now return your playfield to it's playing position, drop in the games pin balls into the game and re-install the glass. You will notice the difference with the top lighting feature on and off when the feature cycles through in standby mode. The below image shows the feature light on via the 3 x led strip to the underside of the ramp is on and this decal goes dark when the Snackbar is not open.



Now your mod is installed and can be enjoyed and since the light blades and the 10 SMD led strip is hooked up to GI it will pulse slightly only when the game is in attract mode otherwise will light up solid all the time.

**Enjoy** 

#### RETURN / REFUND POLICY:

This is a kit build proven from the v5 production run and since it is a kit build you are responsible for the making and therefore there is no return option. But Swinks Pinball will be happy to assist with any questions. Refunds are not given due to being a kit build.

#### PRODUCT DISCLAIMER:

Please remember that this is a "MOD." We took great effort in designing and testing our system in order to produce a high quality product, but it is not a factory original nor an approved part for your pinball machine. There is the risk of unwanted side effects with any modification to a factory game and there are many factors that can cause undesirable side effects after installation of such a modification. As such, we cannot assume responsibility for game malfunction, damage to the game or surroundings, unwanted electrical emissions, personal injury, or other adverse effects caused by the installation of our MOD.

### PRODUCT QUALITY DISCLAIMER:

All parts are made to the highest quality possible. The Snackbar Top, Sign & insert, and Neon tubes are professionally 3D printed by Shapeways / iMaterialise using SLS nylon / MJF nylon & Resin processes with some minor print lines or clouding (on the resin parts) which is part of the process. Your sanding and painting procedure should cleanup most of any print lines. You may notice some minor print lines when handling but once the mod is installed they will not be clearly visible from the players perspective and give your machine that cool retro look.