

Bally - 1992
Creature From The Black Lagoon (CFTBL)

Creature “Snackbar v3 Kustom” Do It Yourself KIT

The Creature “Snackbar” mod was designed in Australia by a CFTBL owner for all the other CFTBL owners around the world that love their game and want to capture that classic 50’s / 60’s feeling of NEON as seen on the playfield art (which can be seen in the image below to the middle just above the Mega Menu insert). This mod version is a relative simple one to assemble as a kit and fit with - minimal soldering, no complex tools and no removal of ramps - just follow the detailed instructions on how to tap holes, paint and assemble and then refer to the the separate manual on how to remove the Snack Bar plastic and replace it with the Creature “Snackbar v3.0” Mod.

Thank you for your support and I hope you will enjoy this mod for many years to come



Proudly Designed by



This manual will give you a guide on how to go about ordering the parts and doing a kit version of the Snackbar Mod v3 - which will be known as a “**Snackbarv3Kustom**”.

Why is Swinks Pinball not doing these? Basically after making over 250 units over 5 years I have other projects I want to go on with for a while, so those that are keen can create there own.

Still use the Snackbar Mod v3.0 Manual to follow the guide of how to assemble the unit into your game.

Note: since I decided to do this after selling out of the 50 x production run, I have limited photos to show steps and where I don't have photos I will do my best describe the process.

Step 1 - Order the parts

Use the BOM chart on the next page to order and locate all the parts needed to do the build. I only have enough parts for approx 15 kits to send out so this is a very limited option for people. Once my stock runs out, then this is no longer an option. As you will see there are more parts than many people realise and are relatively easy to source.

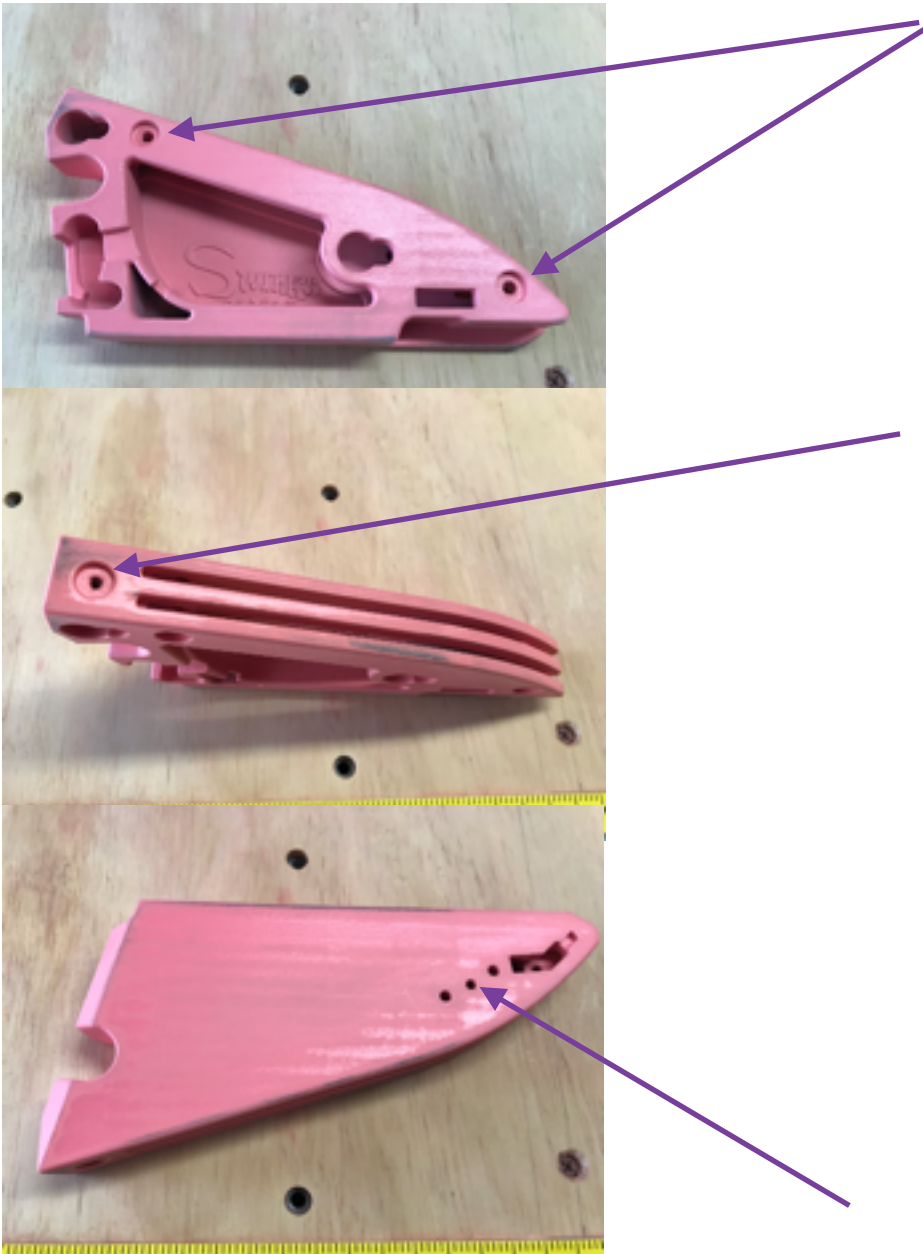
Note 1: I will not be selling batches of parts to one person as this is just available to individuals that want to create one for themselves.

Note 2: Also The Snackbar tops are more expensive at Shapeways (but the best quality option) and with the production ones of v1, v2 & v3's most were made by iMaterialise and remaining parts by Shapeways. iMaterialise is very difficult to set up a shop for customers to buy one off's so the only option is to purchase all parts from Shapeways.

Item	Qty	Item	Parts needed	From Where	Cost USD	Cost AUD	Total
Purchase Items 1-12 from Swinika							
1	1	Snackbar SS Grained Plate - v3.0	1	Swinika		\$8.50	
2	1	FILM Decal - rev3.4	1	Swinika		\$3.75	
3	1	SHACKBAR Decal - rev3.4	1	Swinika		\$7.25	
4	2	M4 x 15 Stainless Button Head Socket Screws	2	Swinika		\$0.55	
5	1	M4 x 12 Stainless Button Head Socket Screws	1	Swinika		\$0.25	
6	3	M4 x 10 Black Button Head Socket Screws	3	Swinika		\$0.75	\$24.50
7	4	M4 SS Washers	4	Swinika		\$0.20	
8	1	M2.5 Allen Key	1	Swinika		\$0.80	
9	1	M3 x 10 Stainless Allen Headed Socket Screw (for top light feature)	1	Swinika		\$0.20	
10	1	M3 Nut	1	Swinika		\$0.15	
11	1	#555 T10 Wedge Socket	1	Swinika		\$2.10	
12	1	Postage for items 1 to 11 (in a padded envelope and cardboard reinforcing for plate)	1	Swinika		\$ varies	\$ varies
Purchase Items 13-19 from Shapeways - search "winksnackbarfunction" on Shapeways							
13	1	Snack Bar Top - v3.4b	1	Shapeways	\$99.00		
14	1	Locator Set (2 parts) (name as v3.4b)	1	Shapeways	\$8.00		
15	2	Anydio Lens - neon v3.3 (name as v3.4b)	2	Shapeways	\$37.50		
16	1	Snackbar Logo Insert - v3.4b	1	Shapeways	\$9.75		\$881.25
17	1	Snackbar Logo Housing - v3.4b	1	Shapeways	\$27.50		
18	1	Snackbar Mod - Top Lighting Bracket	1	Shapeways	\$9.50		
19	1	Postage will vary (Made in US so postage within US is \$5 and to Aus is \$15)	1	Shapeways	\$ varies		\$ varies
Purchase Items from Comet Pinball							
20	1	MATRIX 10 SMD 6.2V Strip (ice blue) - for neon tubes	1	Comet Pinball	\$4.05		
21	1	MATRIX 10 SMD 6.2V Strip (purple) - for snackbar sign (out down to 7)	1	Comet Pinball	\$3.95		
22	1	MATRIX 2 to 1 Adaptor	1	Comet Pinball	\$0.49		
23	1	MATRIX 15MD 5050 QUICK CORNER CT SYSTEM FLEX 44447 Frosted Dome	1	Comet Pinball	\$1.09		\$11.56
24	3	MATRIX Quick Connect 3" extension lead	3	Comet Pinball	\$0.99		
25	1	MATRIX Socket with Multi lead (fits with the led strips)	1	Comet Pinball			
26	1	#555 Globe that fits into the slots for the top light	1	Comet Pinball	\$0.99		
27	1	Freight, GST & Duty - Varies with your location	1	Comet Pinball	\$ varies		\$ varies
Source Locally to you							
28	1	Tamya Paint - Fine Surface Primer L - Undercoat Light Gray or Pink	1	Local Hobby Shop / Ebay	approx \$20 USD in the USA	Or approx \$27.50 AUD in Aus	\$ varies
29	1	Tamya Paint - 13+1 - Coral Blue	1	Local Hobby Shop / Ebay			\$ varies
30	1	M4 x 0.7mm Intermediate tap	1	Local Hardware / Ebay			\$ varies
31	1	small heat shrink for the top light feature	1	Local Electronics Shop / Ebay			\$ varies
32	1	Small Cable Tie	1	Local Hardware			
Total Parts				41	total parts needed for the kit build		

Step 2 - Tap the holes in the SnackBar top

Tap 4 holes (marked by the arrows) in the SnackBar top with the M4 x 0.7mm thread using wax / lubricant to avoid stripping the hole. See the below photos as a guide. When tapping the holes in the first photo be aware of the end of the tap as it will come up to the underside of the top surface. With these 2 holes you are only tapping the middle divider between the neon tubes. Then tap the remaining hole being mindful of the tap depth. All holes are at approx 3.2mm ready to run a M4 tap through - therefore not dimples and spotting a drill.



Step 3 - Fit the posts to the SS plate

You first need to separate the 2 posts from the linking sprue using a knife and then you need to tap the internal holes with a M4 x 0.7mm thread. Use vice grips to lightly grip the flats (put some tape on the tips of the vice grips so not to dirty your new parts) of the post and run the tap through to create the thread - make sure to use a wax / lubricant and take it slow, so not to strip the internal hole/s.

Once the posts are done you can get the following parts together and assemble the parts to the supplied stainless steel plate (with the decal fitted).

- 1 x SS plate (with decal fitted)
- 2 x M4x10 Black Button Socket Screws
- 2 x M4 SS Washers
- 2 x freshly tapped posts
- M2.5 Allen Key

and assembly so to look like this plate.



Note - the washer goes between the SS Plate and the post, and ensure the posts are fitted to the correct holes in the SS plate.



Step 4 - Prepare (Sand & Paint) the Shapeways SnackBar top for painting

Sand the SnackBar top - top, sides, slots, and bottom flat surface - with a 180 grit and then a 240 grit sand paper 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 this 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.

I never try to paint the underside and top side in the same day apart from the first undercoat. Also don't be tempted to lay the paint on thick - it will gloss up with multiple coats.

- **Paint** - I undercoat both sides (underneath and then top) once - which can be done 1hr apart on a nice warm day once the undercoat has dried but wait 24hrs before sanding as the sides will have a double coat.
- **Sand** - I then sand with 240 grit
- **Paint** - I undercoat the top & sides a 2nd coat once more
- **Sand** - I then sand with 240 grit
- **Paint** - I then paint the coral blue in the following order with 24hr drying time between each coat from here on in.
- **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
- **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 not any bottom edges - just the sides)
- **Paint** - I then add colour to the topside and sides
- **Sand** - I then lightly sand - 600 grit sand (though not any bottom edges - just the sides)
- **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.

Step 5 - Fitting the SnackBar top decal supplied by Swinks

I use the wet slide-on method as then there is minimal chance of wrecking the supplied decal especially if you are not experienced in decals.

Prep a cheap spray bottle with the following contents:

- 95% water
- 5% liquid soap (a few drops hand wash liquid to 100ml of water)

I setup in a clean area and have a nice clean micro fibre cloth for the painted SnackBar top to lay on and a second clean micro fibre cloth to wipe down. Make sure there is no lint / fluff on the top.

I then spray the top well with the water mix so it has a lot of dots covering well and then peel off the decal from it's backing paper - *make sure your fingers are clean.*

I then locate the back of the decal to the back of the snackbar top with about of 3-4mm on all 3 major sides of painted top edge, leaving 3-4mm still visible then I drop the decal in place.



I then hold the decal down mid way with 2 fingers and then use the spare clean micro fibre cloth and wipe across the middle of the decal and push the water out towards the front and then I go back to the middle and wipe the water out towards the back. Make sure the decal is centred and you are happy otherwise carefully lift up and attempt again at this stage - do not wait. If attempting again you might need to add a bit more water spray.

Once wiped down and happy with the placement check for any bubbles in the decal and apply pressure with the micro fibre clothe and force them out from the centre towards the ends.

Now let the mod and decal dry for a day or 2 to ensure the decal locks into place.

Step 6 - Fitting the neon tubes to the snackbar top

Simply slot the neon tubes in place and then insert the 2 x M4 x 16 Stainless Button screws and nip down as seen below.

Note: to make sure the screws pass down through the neon tube holes and when nipping up aligning the neon to look right = sticking out a little as you have minor adjustment ability.



Step 7 - Fitting the Ice Blue LED strip inside the the SnackBar top

I remove the backing and carefully slide the strip into the front (pointy end) and line up the strip with the end of the slotted hole and central against the surface and carefully apply.



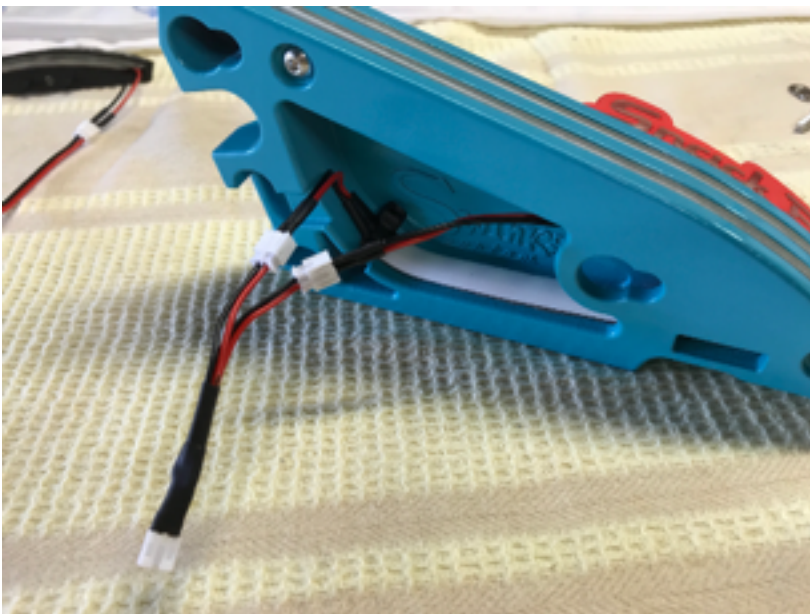
The wire end of the strip should just past the cable tie anchor holes - push down if happy with the placement.

Then place a cable tie to keep the wire end down as this is needed in case it is tugged on slightly and then trim the cable tie.



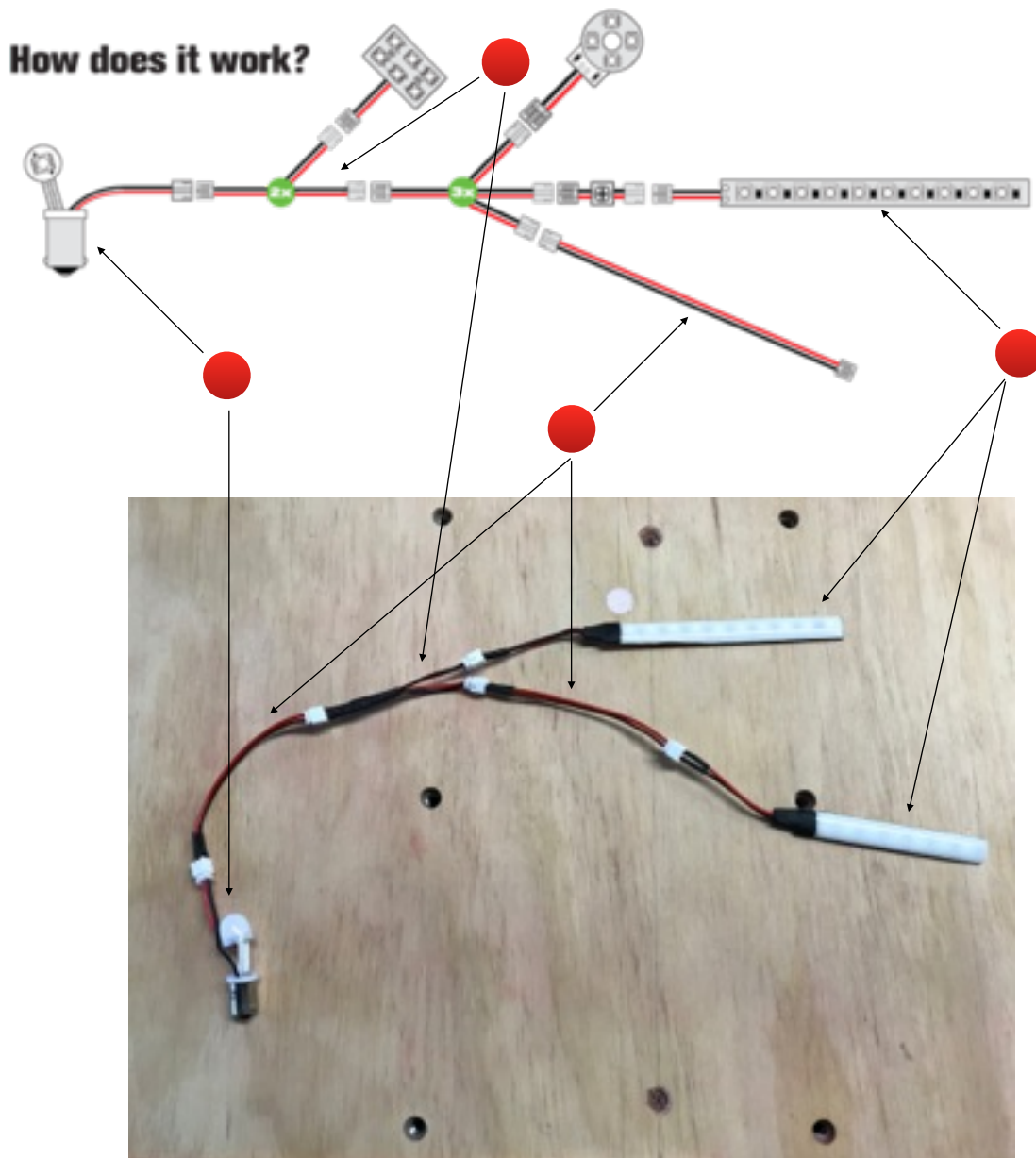
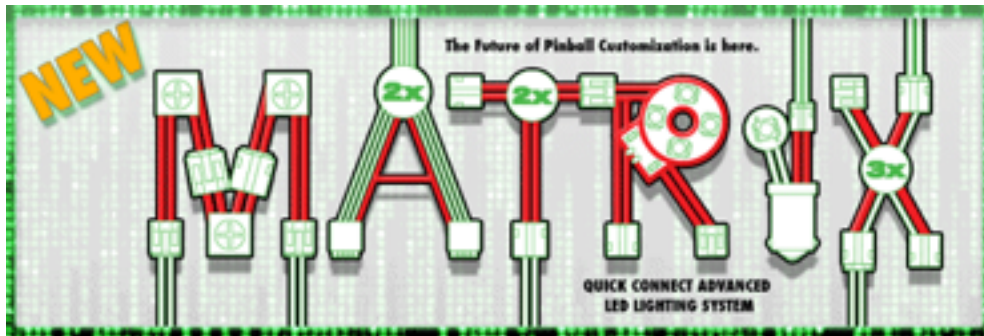


Then install one of the double ends of the 2 to 1 splitter wires to the end of the strip power lead. The other end of the splitter connects to the lead from the sign LED Strip.



Step 8 - Understanding the lighting parts from Comet Pinball

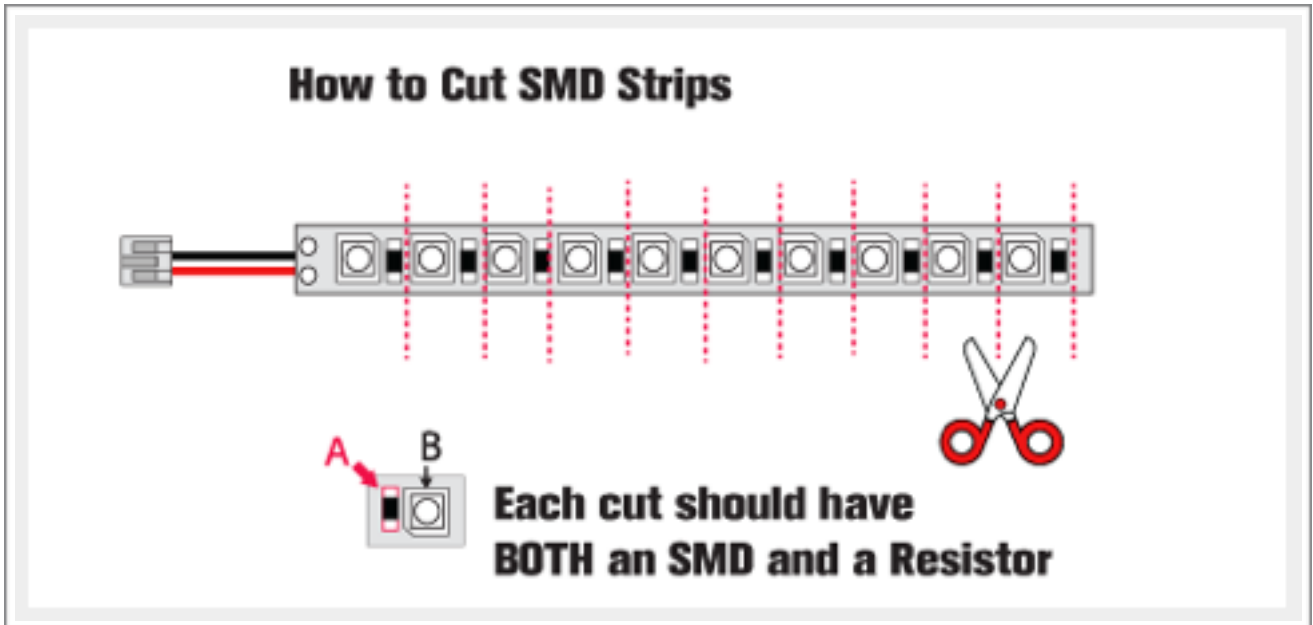
Lighting is supplied by Comet Pinball based USA using cool products from their Matrix range. See the arrows with red dots referencing the components you will be using in the build.



Above is the lighting setup for the SnackBar and Sign, but with one LED strip already trimmed.

Step 9 - Preparing the LED strip for the Sign

The led strip for the sign will only need approx 6-7 leds to fit within the sign recess. Trim as per the picture below. The reason for the variation of 6-7 leds depends on the strip as the strips vary from the wire end - try 7 first. Once trimmed DO NOT remove the protector sheet off the adhesive as the strip is pushed into the recess and since it does not stick it is easier to remove from the slot if you need / want to down the track. Once the sign housing is fastened down the led strip doesn't move.



Step 10 - Fitting the Snackbar Sign up with the insert and lighting

The insert is a snug fit so carefully push into the slot and then use a thin steel ruler or similar the push the insert from the back so the lettering of the sign insert pops into the lettering holes of the sign housing.

Then with your trimmed LED strip insert into remaining gap behind the insert - remembering not to remove the backing of the adhesive strip as you want to be able to remove in the future. Place the lead at the end of the small "s"

Then fit one of the 4 x 3" leads to the strip. (The photo bellows shows one strip installed and one outside the housing to show what goes inside the housing - only one is required).



Step 11 - Assembling the sign to the snack bar top

Now insert the signage wiring lead with the 3" extension in through the hole in the top and feed through the mod.

Lower the sign's 2 x locator pins into the holes in the top and then lock down the sign with 1 x M4x10 Black Button Screws and nip up.



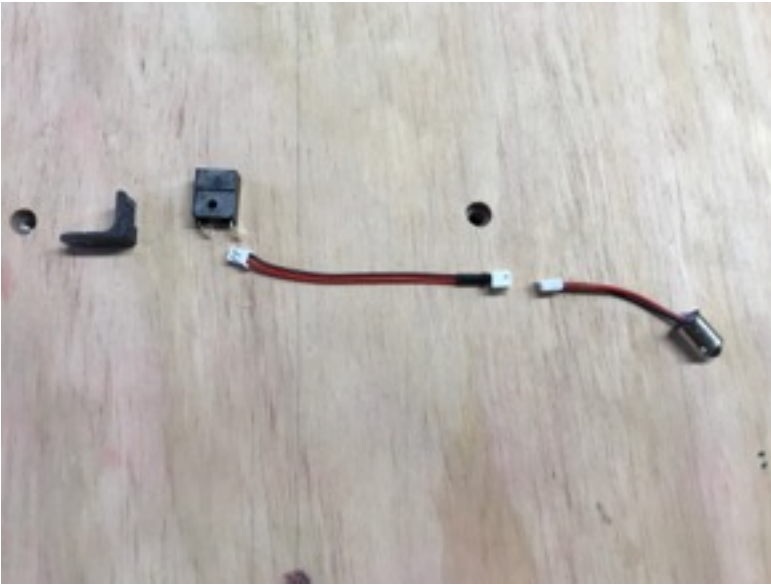
Then connect the signage lead to the other spare end of the 2 to 1 splitter shown in the last photo of Step 7.

Now install a washer and 1 x M4x12 Stainless Button Screw in through the front hole but not all the way as you won't be able to slide the snack bar top on to the base plate.



Step 12 - Assembling the top lighting feature

These are the parts needed for the top lighting kit.



Unlike the mods sold you need to do 2 minor solder joints from the wires to the #555 bulb socket.

First start with the socket and bend the little legs to one side as this keeps the wires clear once this feature is installed.



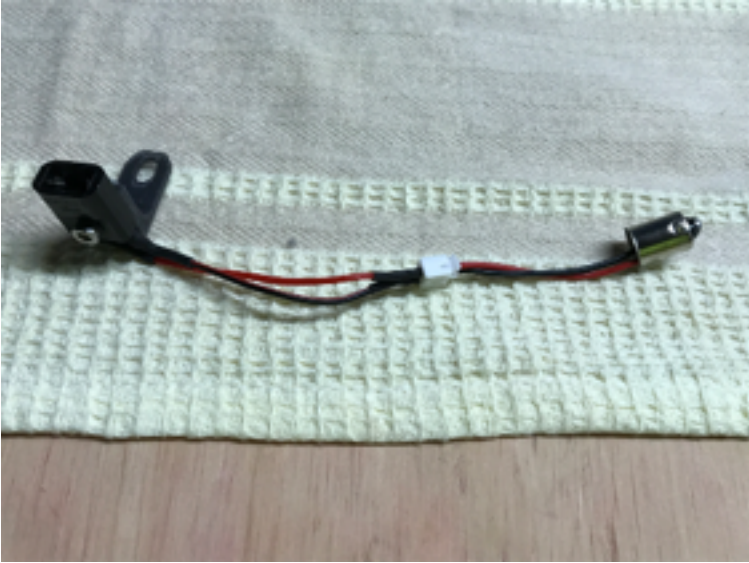
Then take one of the 3" extension leads and the male plug off one end and trim the black end about 10mm shorter than the red, bare back, slide on some heat shrink and solder the wires to the socket. Once soldered shrink the heat shrink over these soldered ends and then connect the free matrix socket with lead to the lead you just made as per below.



Lastly fit the Shapeways bracket to the #555 socket with the M3 bolt and nut, placing the nut on the inside of the bracket as clearance is important once the snackbar mod is installed.



Now your top lighting feature is complete and should look similar to this.



Step 13 - Assembling the mod to your game

Refer to the **Creature “Snackbar v3.0” Mod Rev 2 manual** to fit the mod to your game.



Snackbar Mods in Circulation

I like facts and figures, but it is also handy for people in the future to check what version of mod they might have picked up or want to hunt for.

v1's

- 105 units
- Sept 2014 through to Oct 2015
- easily identified by 5 screws on the top
- neon lighting was with el wire / inverter and wiring harness to the back box
- no Swinks logo on the underside
- *2 x known units where the Swinks Snackbar v1 mod has been copied and replicated but printed with a home printer - lesser quality - beware of imitations*

v2's

- 111 units
- Feb 2016 through to Oct 2018
- lighting powered by the GI socket and light blades were laser cut acrylic
- easily identified by 2 screws on the top
- all 111 had the Swinks logo on the inside

V1.5 & v2.5 - In developing the Snackbar Mod v3 I reverse engineered the design of the Snackbar Mod v3 Sign that replaces the dome in the top of the V1's and v2's.

v3's

- 50 units
- Jan 2019 through to Jun 2019
- lighting powered by the GI socket and light blades were more curved and 3d printed resin
- easily identified by no screws on the top, only 1 screw on the front
- all 50 had the Swinks logo on the inside, but 5 had the additional "custom" embossed in them as well

v3 kits

- Jun 2019 through to current
- same design as the v3's but has "kustom" embossed in the underside of the top
- see next page explaining the "kustom"

Snackbar Mod Numbers

	Snackbar Mod v1	Snackbar Mod v2	Snackbar Mod v3	Snackbar Mod v3 kustom	Total for the Countries
United States	80	73	30	3	186
Canada	5	5	1		11
United Kingdom	0	3	4		7
Norway	1	0	0		1
Sweden	1	0	0		1
The Netherlands	0	0	2		2
Belgium	0	1	0		1
France	3	2	1	1	7
Austria	0	2	1		3
Germany	2	2	0		4
Australia	13	22	11	1	47
New Zealand	0	1	0		1
	105	111	50	5	271

Snackbar Mod v3 Kits in Circulation

- 5 x v3 kustom kits as of 24-6-19

Currently at the point of writing this manual people from the following countries have purchased the parts and are making this kit. 2 sets **DO NOT** have “kustom” embossed in it and could be mistaken as a v3.0 Snackbar mod.

The following are kit mods:

1 x France - that **do not have** “kustom” lettering inside

1 x Australia - that **do not have** “kustom” lettering inside

The following have “kustom” embossed on the inside to represent **kit-custom** mods.

3 x USA - **with** “kustom” lettering inside

RETURN POLICY:

There is no returns as you are building a kit from parts you have purchased. If the parts from Shapeways don't seem the best quality (occasionally occur - gauges, not 100% straight etc) you can contact them and should reprint them for you - generally they are great with ensuring excellent quality and reprints if necessary.

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 item 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 hidden pillars, Snackbar Top, Sign & Insert, and Neon Tubes are professionally 3D printed by Shapeways with some minor print lines or clouding (on the resin parts) which is part of the process. 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 the mod will give your machine that cool retro look.