

## Snack Bar Sign Mod



**Released - Jan 2021**  
**By - Swinks Pinball**

**For - Creature From The Black Lagoon Pinball as well as other possible games.**

After 6 years of making the Snackbar Mod v1, v2, v3, v4 & v5, it is time for Swinks Pinball to take a long rest but wanted to create a simple Snack Bar Sign Mod that you can add to your game as a Do It Yourself Kit - in which this is the manual on how to do this. Simply order the parts, assemble and enjoy - simple to do and no painting, no soldering and looks great.

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**[www.swinks.com.au](http://www.swinks.com.au)**

**Note:** These instructions are specific for the 2021 released Snack Bar Sign Mod which is similar to the SnackBar Mod but with a different mounting system so it can be hooked up to Comet Lighting and installed in various places inside your game and tun off a GI or feature light socket.

This is a guide to build yourself, so follow these steps:

## **1. Purchase these parts**

You will need the following parts to complete this mod:

From: **Shapeways**

1 x Snack Bar Sign Housing

1 x Snack Bar Sign Base *(which is available with or without the mini post)*

1 x Snack Bar Sign Insert



**These will cost you approx \$39.45 to \$39.95 USD (Jan 2021) + postage to your destination.**

Order via Shapeways via this link

<https://www.shapeways.com/marketplace?type=product&q=swinkssnackbarsolo>

or head to Shapeways and search **swinkssnackbarsolo**

From: **Comet Pinball**

- 1 x Matrix Extension Wire
- 1 x Bulb Adaptor
- 1 x 10SMD Led Strip



**Order these parts as per links which tallies up to \$6.88 USD (Jan 2021) + postage**

1 x Matrix Extension Wire

*(one in the photo is a 36" = \$0.99)*

<https://www.cometpinball.com/products/matrix-extension-wires>

1 x Matrix Quick Connect Bulb

*(I typically use a Bayonet (44/47) in Warm White and Frosted Lens = \$1.39)*

[https://www.cometpinball.com/products/quick-connects?  
\\_pos=7&\\_sid=160159e75&\\_ss=r&variant=12387006677036](https://www.cometpinball.com/products/quick-connects?_pos=7&_sid=160159e75&_ss=r&variant=12387006677036)

1 x 10SMD Led Strip

*(you need a 10SMD (4 inches) and I typically use a Purple Frosted one = \$4.50)*

[https://www.cometpinball.com/products/lighting-strips?  
\\_pos=1&\\_sid=67e87be3a&\\_ss=r&variant=32223511674982](https://www.cometpinball.com/products/lighting-strips?_pos=1&_sid=67e87be3a&_ss=r&variant=32223511674982)

Bolt: from **Hardware / Ebay**

If Metric - 1 x 4mm bolt & nut - approx 6mm long

If Imperial - 1 x 1/8" bolt & nut - approx 1/4" long

*Note: Being in Australia I typical use metric so 4mm which you can get from a bolt supplier or hardware. The head of the bolt needs to be round with either an allen key drive or a phillips screwdriver head. A hex head will not work as it will chew into the back of the housing.*



## 2. Tools Needed



**1 x Stanley Knife**

**1 x 2.5mm Allen Key** - if you are using a Metrix Allen Headed Bolt or a Phillips Screwdriver

**1 x 4mm tap or 1/8" tap** - depending on the bolt you are using.

*Note: You could drill out the dedicated hole to be tapped and fit a nut on the underside to avoid purchasing a tap.*

**1 x Side Cutters** - note needed if you got the base without detachable post. You can use the Stanley Knife as well to cut the little joint branches.

**1 x Small Steel Ruler or a Home Kitchen Knife** - (not steak knife) will do the trick as well

### **3. 3D Parts Preparation and Assembly**

Your parts will look like this:

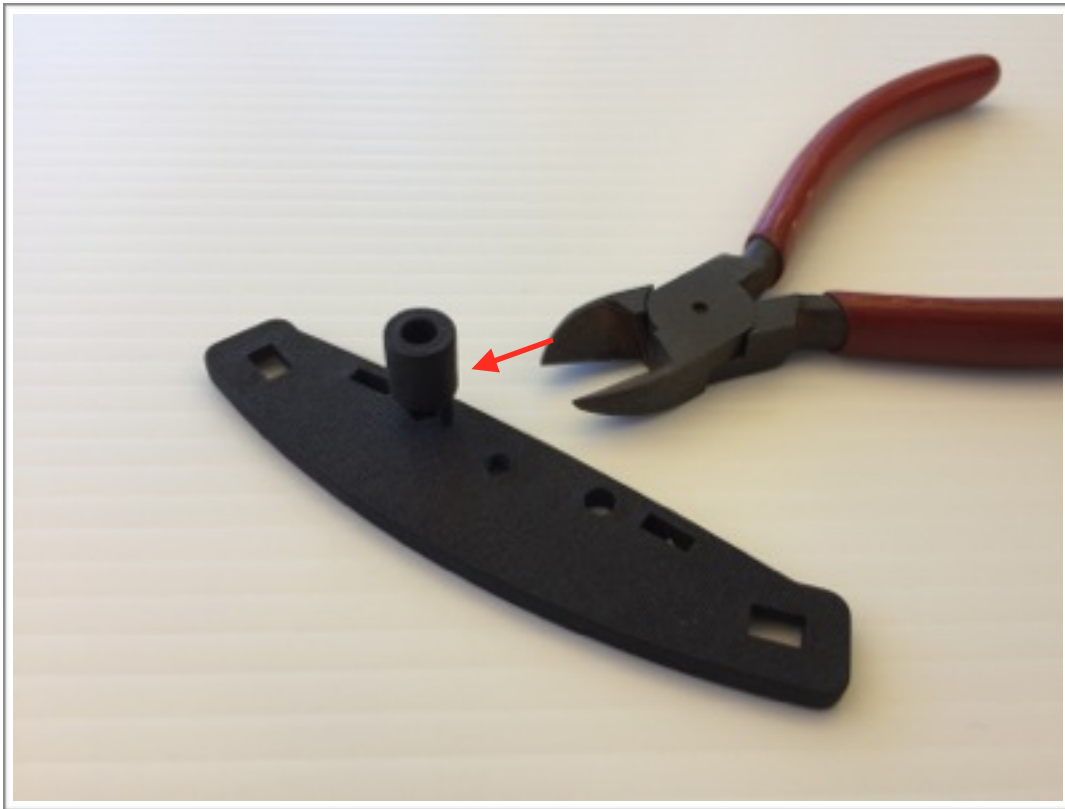
Top - Housing  
Middle - Base  
Bottom - Insert



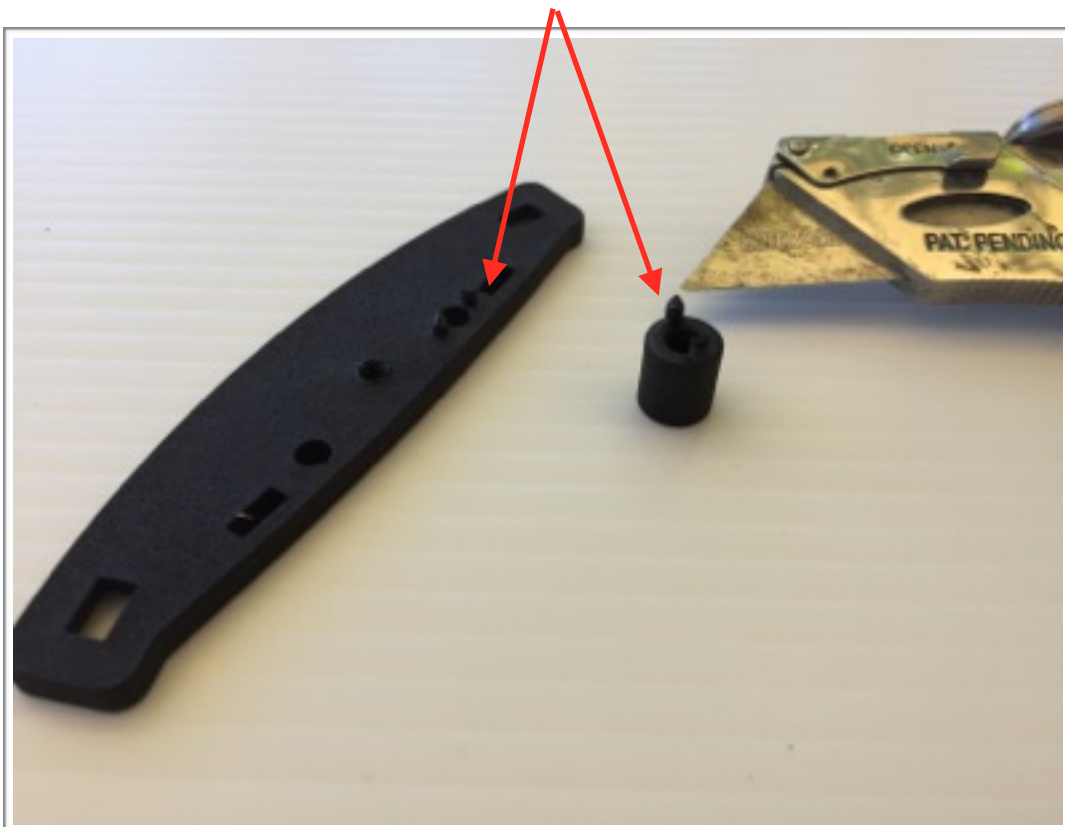
Note: Nothing needs to be done to the housing.

With the Base - either comes with or without a detached pos.

**Step 1** - snip the post from the Base with side cutters or carefully with a Stanley Knife



**Step 2** - Trim the little branches off the base and post with a Stanley Knife



**Step 3** - Tap the centre hole of the housing as this is used to hold down the housing top.  
*You could drill out and fit a nut on the underside to avoid purchasing a tap.*





**Step 4** - Time to insert the resin insert into the sign housing in which there are 2 approaches and each one has their pros and cons.

**approach a** - press in the whole sign insert, is the preferred approach but depends on the printing accuracy and has been my preferred approached

**approach b** - crack the insert at it's designed crease and install as 2 halves, sand and install as 2 halves which is the easier approach.

Installing 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



### Installing 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 k and the B is a groove. This is a designed intentional weak point. Simply put a thumb on the k and a thumb on the 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 Snack part in and using a knife press from the back until the letters of the resin insert are flush with the housing front face.



iii - now it is easier to insert the Bar part in and repeat the install process and then it is finished.

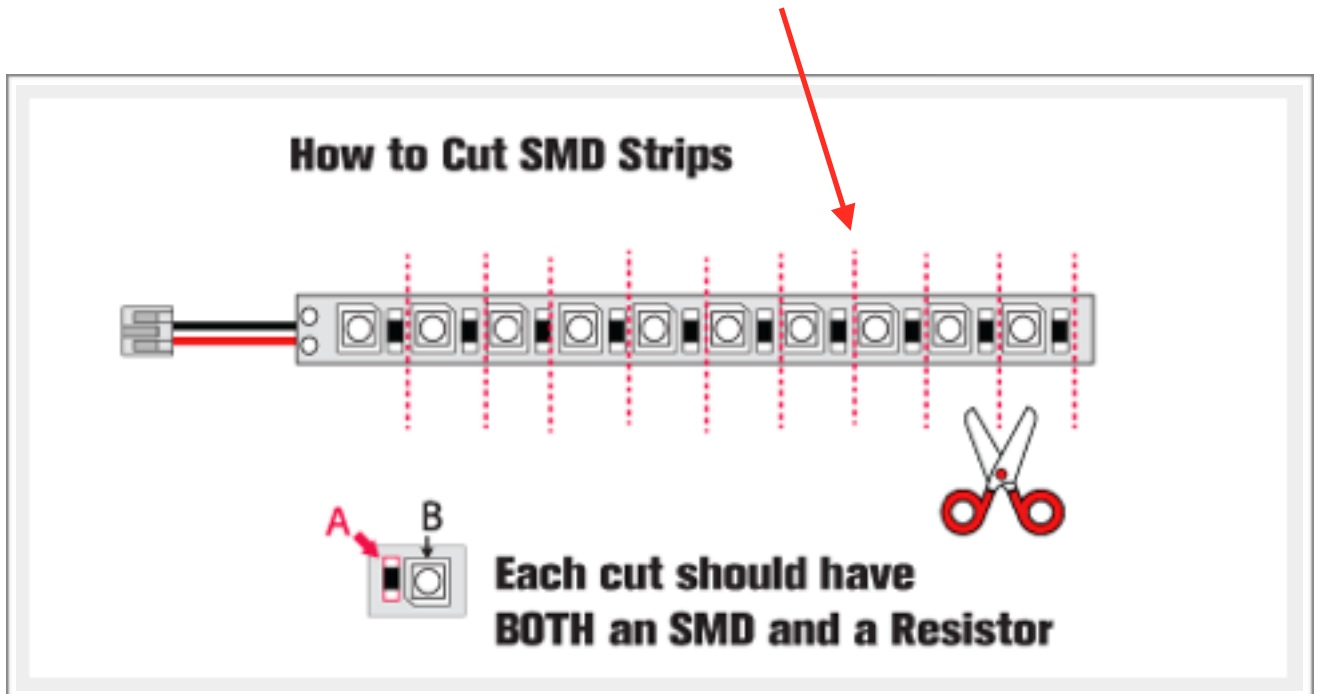


#### **4. Lighting Preparation and Assembly**

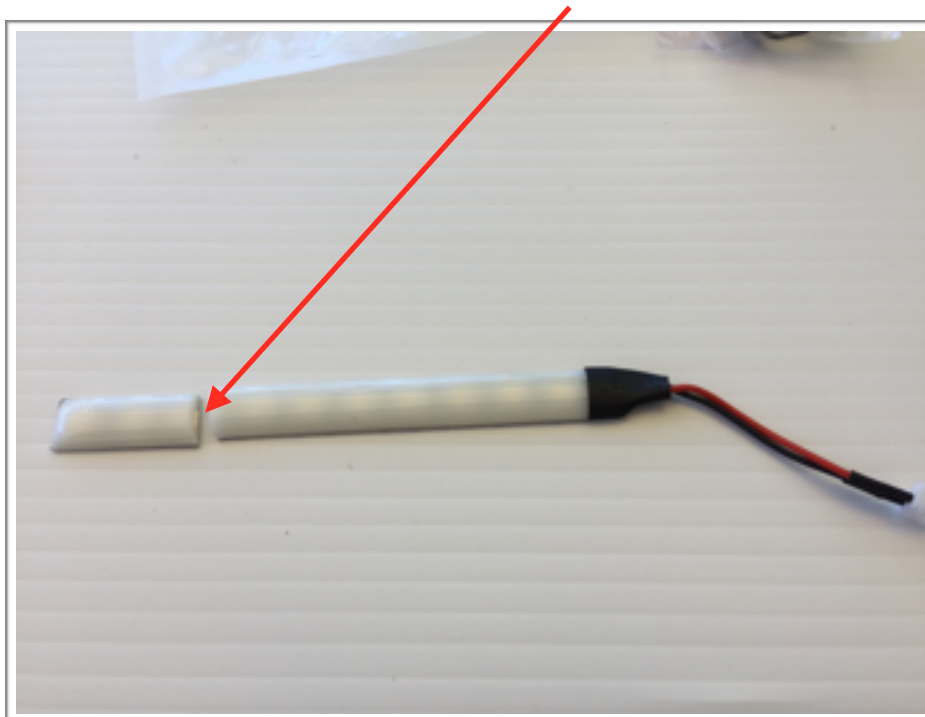
**Step 1** - First open up the bag with the 10SMD lighting strip. You will only need the strip and not the smaller bag of connectors though keep these as they maybe handy in the future.



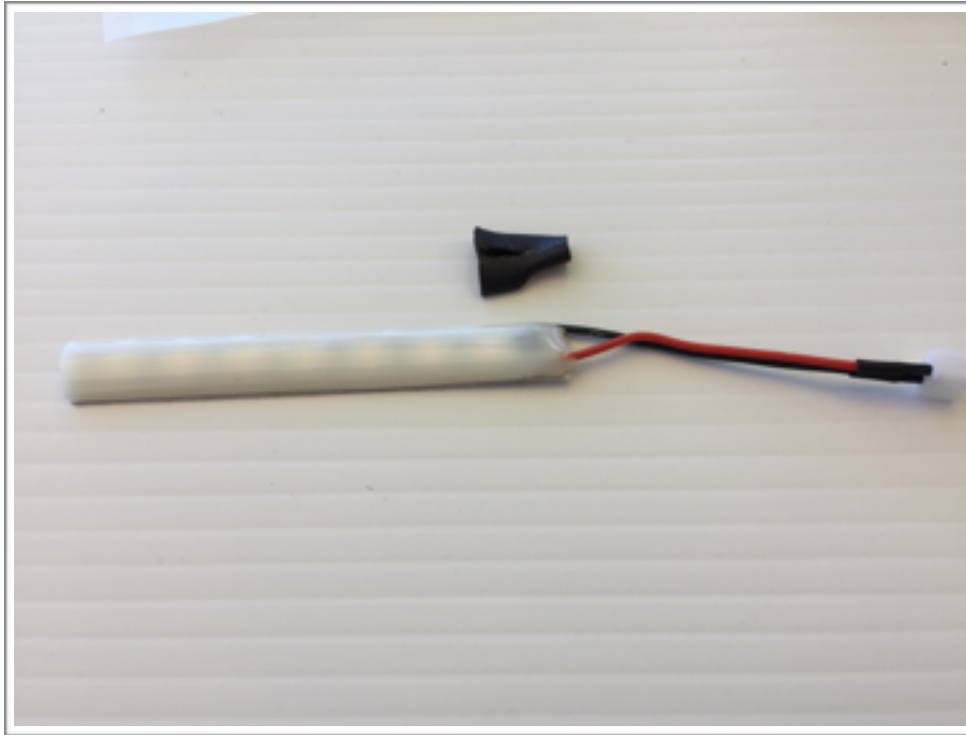
**Step 2** - The strip needs to be trimmed down to 7 SMD's to fit into the Housing and while the clear strips would be easier to perform the trim, the frosted strip gives you a better look once installed. Comet Pinball supply the below image and while it is very handy it does have a slight mistake. At the end of the strip the SMD and Resistor are flipped around which can throw 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.



**Step 3** - Remove the heat shrink so the remaining 7 LEDs strip can fit into the housing behind the resin insert.



**Step 4** - Insert the now 7SMD into the back of the housing with the wiring coming out of either the S or the r end. The choice of end is yours but will be determined when and where you choose to install the mod and hiding the wiring. (sorry for the photo shape change).



## **5. Final Mod Assembly**

**Step 1** - insert the lead through the base.

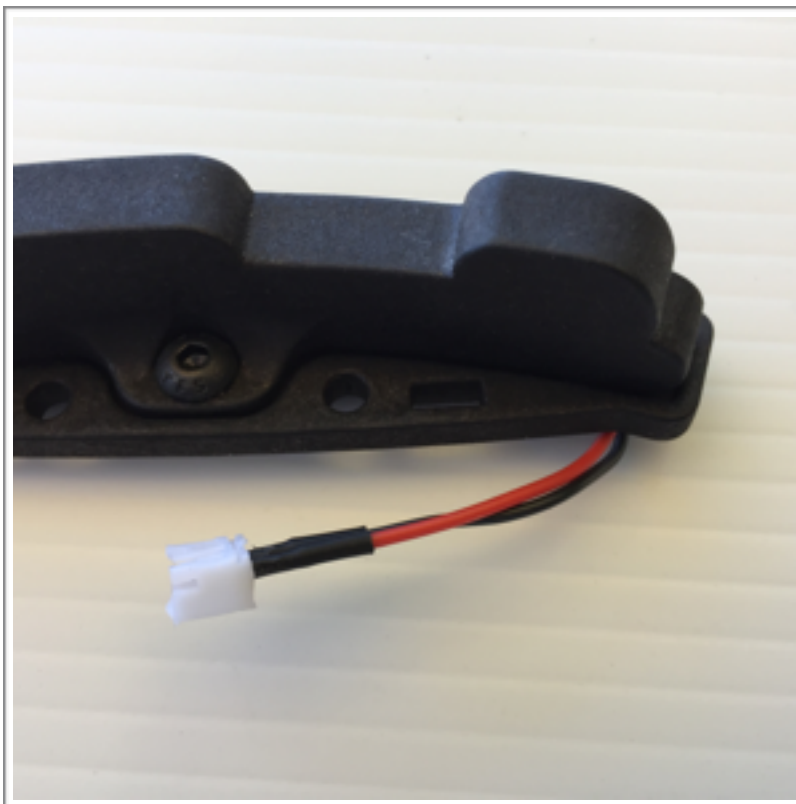


**Step 2** - place the housing on to the base and fasten in the bolt / screw locking the sign to it's dedicated base.

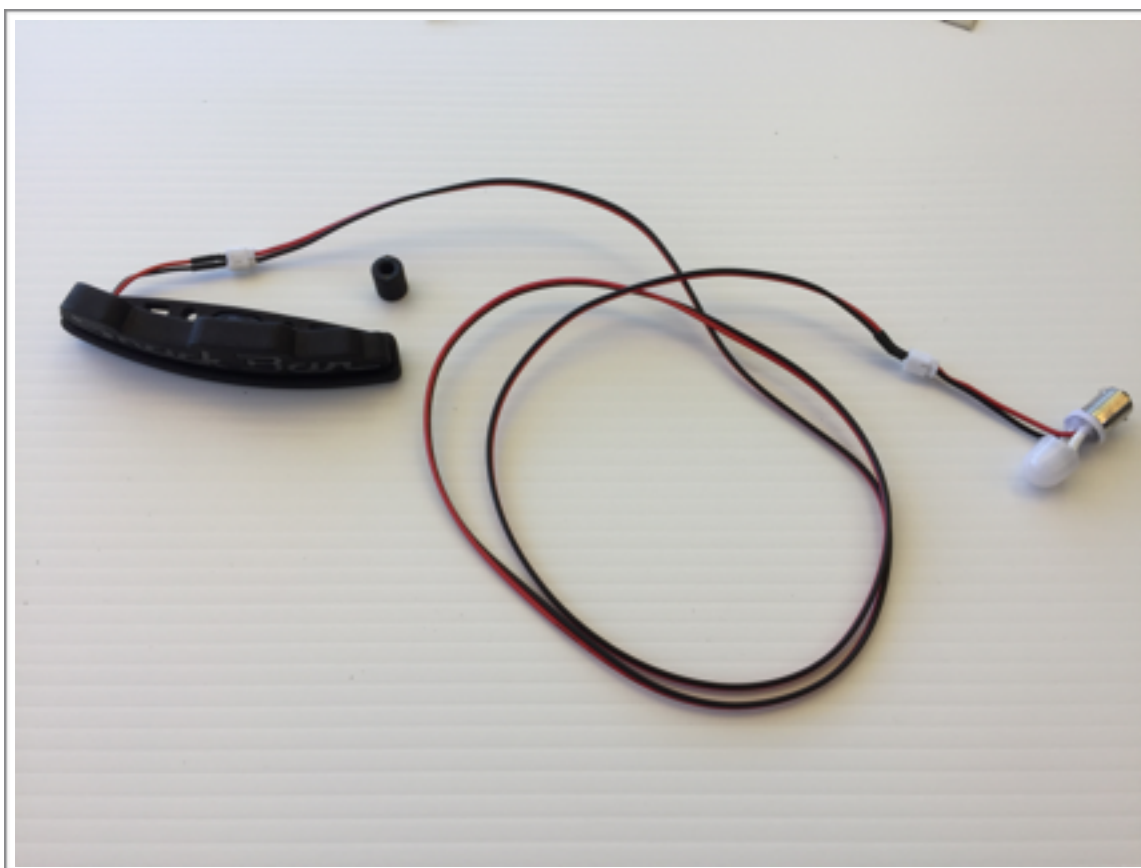




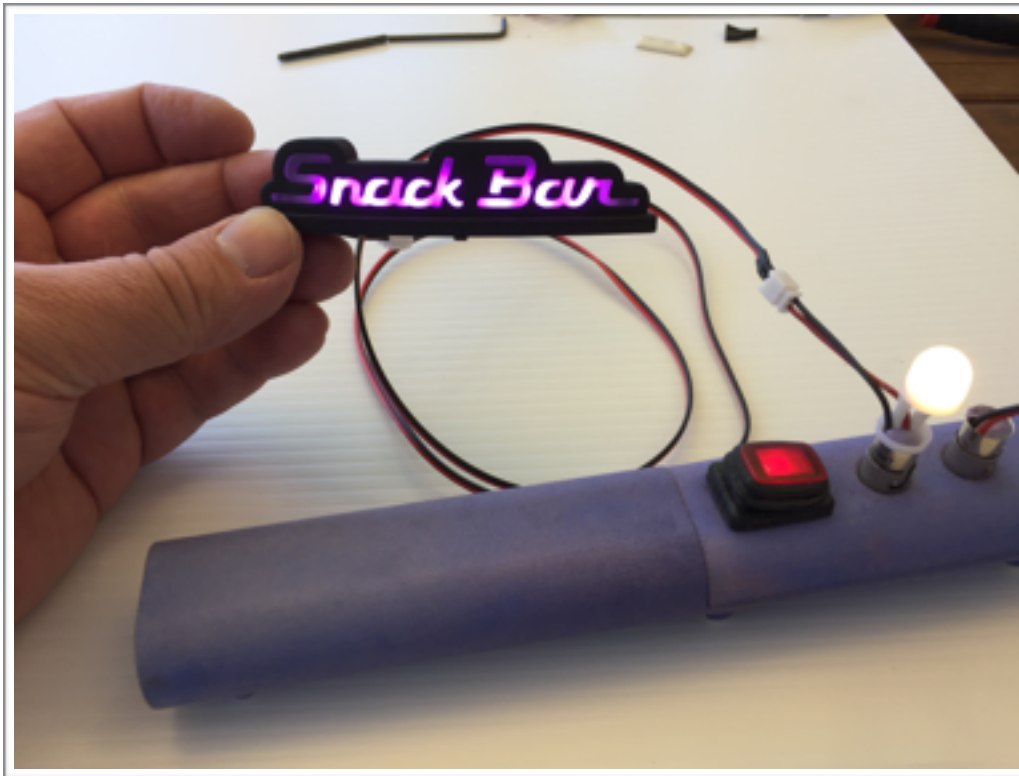
which will look like this once secured:



**Step 3** - Install the extension lead to the sign and also the matrix bulb and it is ready to test and then install into your game.



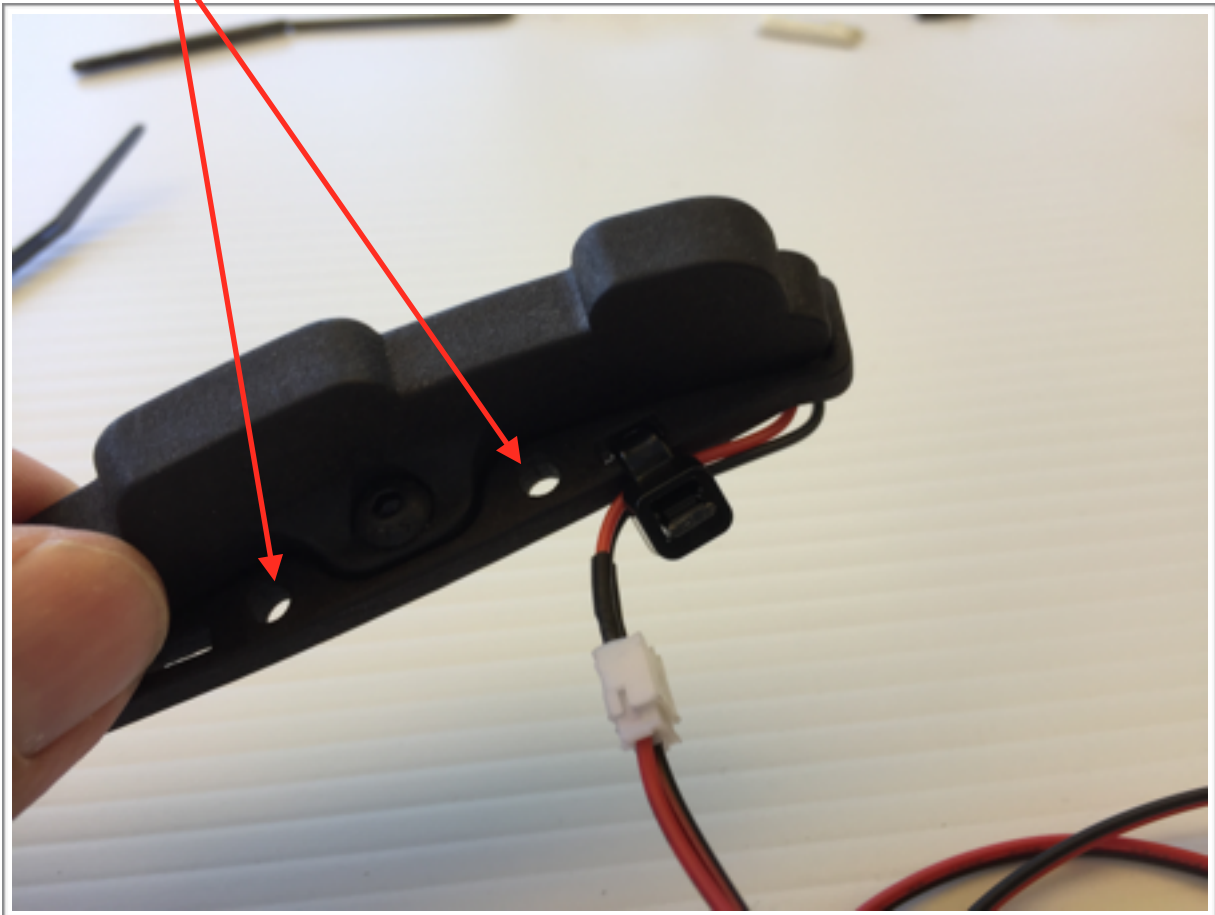
It will look like this though the camera captures the individual less but in the game you eye will see a fairly consistent glow (note: I made a bulb tester - but it shows the led strip lit and the bulb lit when plugged in:



*Note: not the right game as I recently sold my CFTBL but it gives you a idea of the better glow.*

**Step 4** - locate a 44/47 socket (GI or Feature Socket) that you want to connect the mod to and remove the existing bulb and install the matrix bulb with connecting lead and mod - no soldering etc - very simple. I would recommend the 36" wire extension as this allows you to install the mod in many places and coil the excess lead and secure under the playfield.

**Step 5** - now to install the mod. Not the best image but either side of the lock down bolt are 2 holes.



Pass a bolt / screw down through one of these and use the detached post or another pinball post to anchor the mod to the game. There are also 2 slots in the back for cable fastening to neaten it up.

*Note: The 2 dedicated holes will give you the offset mounting option but you could also remove the lock down bolt in the centre and drill out these holes to your desire size and fasten down through the centre holes and you are ready to enjoy.*

**RETURN POLICY:**

*Please contact us as we will be proactive to try and quickly resolve any problems or issues from abroad reducing the need to send your purchased parts as we are in Australia.*

**PRODUCT DISCLAIMER:**

*Please remember that this is a "MOD." We took great effort in designing and testing our designs 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 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 MODs.*

**PRODUCT QUALITY DISCLAIMER:**

*All parts are made to the highest quality possible. The Snackbar Sign Housing, Base & Sign Insert, are professionally 3D printed by Shapeways using solid MJF nylon & Resin processes with some minor print lines or clouding (on the resin parts) which is part of the process but once installed will look great. 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.*