



## STERN JAWS CHUM LINE SHADOW / SUPPORT MOD

Thank you for purchasing my Stern JAWS chum line shadow / support mod

If you have any issues please reach out to me on Pinside under "Wolffcub" and I will respond as quick as I can.

It has been mentioned the Stern has made these chum inserts in both 3/16" and 1/4" thick. The adjustment screws will work with both insert thicknesses.

### **Disclaimer:**

**This modification is not a factory component. Any damage caused to a machine during the installation process, or damage caused to the machine by the modification itself is not to be deemed the modification creators responsibility. By installing this modification, you as the owner of the machine, or the buddy that got suckered into doing it, take full responsibility / ownership of any damage or issues that may arise due to the installation of this modification or outlined installation procedures.**

Installation of this mod takes about 45 - minutes and some basic tools. I have tested this mod and installed one myself on a Pro and Premium and it fits without any complications.

Tools required:

Philips Screwdriver (medium head), your brain.

**Please read each step fully before proceeding!!!! Each step may have multiple instructions that work hand in hand.**

When you unpack the mod you will find all the components together held in place with green painters tape. Carefully remove the tape and verify the items. You will have the following

A black straight edge- this tool helps assist in the levelling and confirmation of the height of the plexi chum line insert that is part of the factory stern machine

A template with three sharks secured to it with some blue painters tape. Do not remove the blue tape yet as it holding onto the sharks and you cant lose them.

A lower base that as three preinstalled adjustment screws.

Step 1

Pull machine way from adjacent items and remove glass. You will need to have access to the right side of the machine during the installation.

Step 2

Unscrew the 5 screws that hold the factory insert down



Step 3

Remove the insert and locate the lower base plate from the kit. Do not yet remove the double sided tape top layer. Place the base plate on to the existing metal plate to ensure it fits nicely and looks like the image below. The base plate notches will line up with all the LED holes.



Step 4

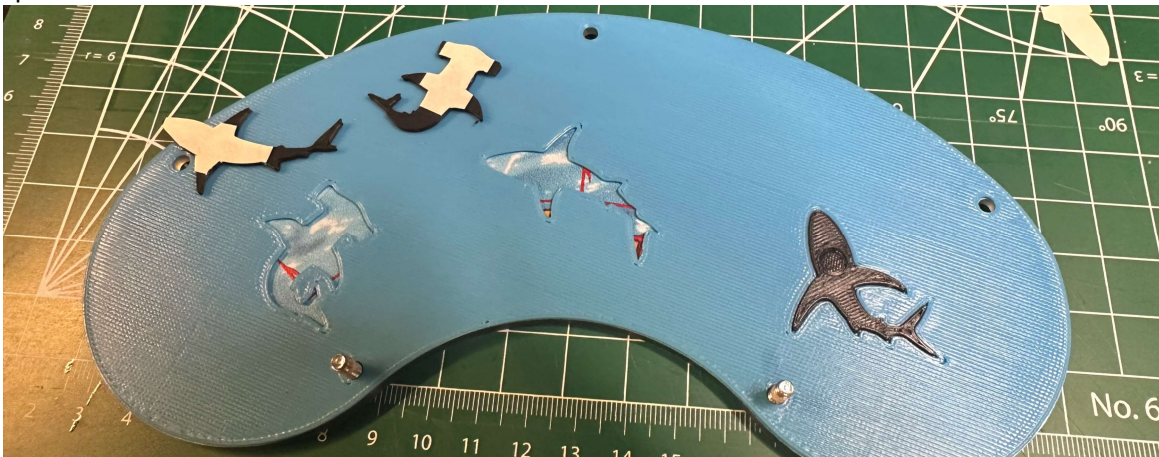
Remove the base plate and remove the protective side of the double sided tape and reinstall the base plate.

Step 5

On a clean work surface take the removed chum line insert and remove the top upper three (3) screws and rubber o-rings and place it upside down so the printed side is facing up to you . You should have the bottom two (2) screws and 0-rings still installed

Take the 3d printed template that has the blue tape holding in the three sharks together and take it apart and put the sharks to the side. Careful to not yet remove the white protective side of the double tape. I have used this tape on everything and its easy to remove down the road if you wish to revert back to stock. CAUTION!!! Never use rubbing alcohol on the ink printed side of the insert, it will take off the image!!!!

Place the template over the screws with the wording "up" facing up. Take the sharks and carefully remove the white protective film and place the shark double sided tape side down thru the template holes. Its like that toy we all had growing up that was a can with the basic shapes in the lid and we had to put the correct shapes thru the corresponding holes. Each shark has a home for a reason and this template ensures they are all in the correct spots.



After the sharks are all installed carefully lift up on the printed template and the sharks should remain fixed to the stern insert. You might need to press down on a shark if they fit a bit too tight in the template as you lift. You should now have something that looks like this picture below. Reinstall the screws and o-rings.



## Step 6

Take the insert back to the machine and have the screwdriver and the black levelling tool ready.

Now this next part CAN and Will take some time to do right. The adjustment screws that are in the base plate are sent to you in the lowest position, this means if you reinstall the insert right now the sharks will not hit the tops of the screws and the support part of the mod will do nothing.

- If you don't want the support part and just want the shark shadows just leave the base plate screws fully down.

-if you want to support and adjust the insert you will have to back out the screws starting with a half turn out each and reinstall the insert. Then take the black level and place it across the inset in three places (RED LINES) and make adjustment to the 5 screws that hold the insert in. The black level will let you see if the insert is high or low in these three areas.

- If the adjustment screws are too high the level will rock where the slot is cut for the shark fin.
- If the adjustment screws are too low you will be able to press down with your finger next to the slot and see it flex down still.

You will now have to go back and a few times taking off the insert and adjusting the base plate screws till you find that sweet spot. You might want to reduce the base screw turns down to  $\frac{1}{4}$  turn when you are close to being properly supported.

You can also make any other changes to the insert to your liking. If you slightly elevate the front edge of the support you will never have the ball hit the far edge of the slot again but now if the ball rolls back it more likely to change direction as it hits back side of the front edge of the slot.

