

Rick and Morty | 3D printed portal protector (TPU)

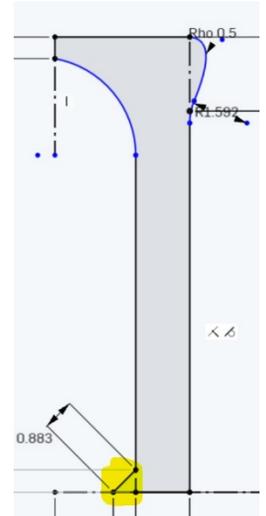
(Installation and removal)

First, thank you for buying my mod. It is cool to know that I am able to help people keep their machines in great condition!

Installation:

The ring is designed to stay in place using pressure generated from a small lip on the bottom. As you can see from this cross section (right), there is roughly a .5 mm edge on the bottom which will “snap” to the underside of the playfield and ultimately keep the ring in place without the use of screws.

It is a tight fit! You will have to pressure and change the ring such that you can ultimately make it smoothly adhere to the sides of the portal hole. Keep in mind that the shape of the hole and clear coat application may not be consistent across machines. Because of this, your experience may be slightly different.

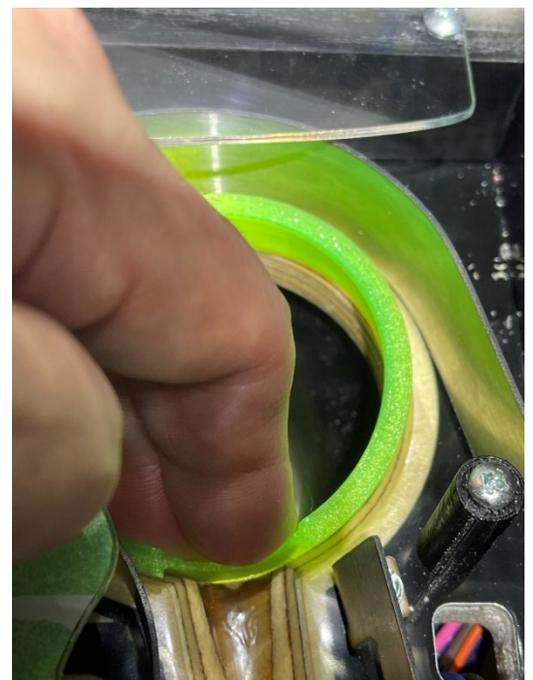


Prep:

I highly recommend you remove both ramps, the “ball shield” (over the house), and the house before installing the mod. In all honesty I have no idea how you would do this any other way, but I am sure if I omitted the instruction someone would end up blaming me for destroying their machine. Please do not destroy your machine 😊. I recommend doing each of the proceeding steps while the playfield is in the lowered service position resting securely on the skids.

Step 1:

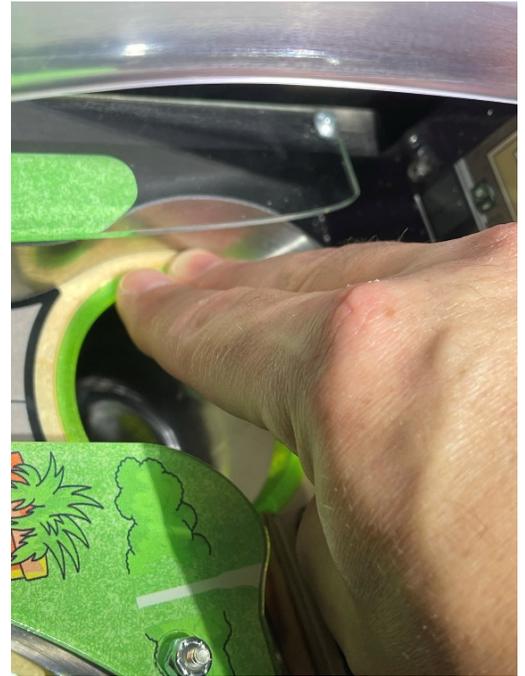
Position the protector such that the cutout is lined up with the playfield cutout. Insert the cutout area roughly 50% of the way into the cutout area and hold it tightly against the playfield with your left hand. The protector will be angled up at the back.



Step 2:

With your left hand holding the cutout area in the front, flex the remaining part of the protector to “snap” it into the portal hole.

Once fitted, the ring may require some “smoothing”. Ensuring that the cutout is aligned with the playfield groove, run your fingers around the inside of the protector and ensure that it is flush against the sides of the playfield. There should be no bumps or outcroppings.

**Step 3:**

Validate that the groove in your protector is well aligned with the groove cut into the playfield. The best way to test that it is perfectly aligned is to set a ball into the playfield groove and make sure that it naturally rolls into the hole without catching the edge of the protector.

Step 4:

Verify protector is a snug fit and cannot move up or down in the hole.

Removal:

You should be able to remove the protector by “pinching” your thumb and forefinger against the top and bottom of the protector then pulling inward towards the center of the hole.

Final tip:

Literally EVERYTHING on this playfield is as sharp as a knife! During installation and removal be very careful not to slice yourself like I have done at least eight times now.

Contact:

If anything goes wrong feel free to reach out to support@ninjacamp.com or @aniraf on Pinside. I will respond as quickly as possible.

