

Rush | 3D Printed Prem/LE Ramp Guards (TPU)

Installation Guide

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

Information:

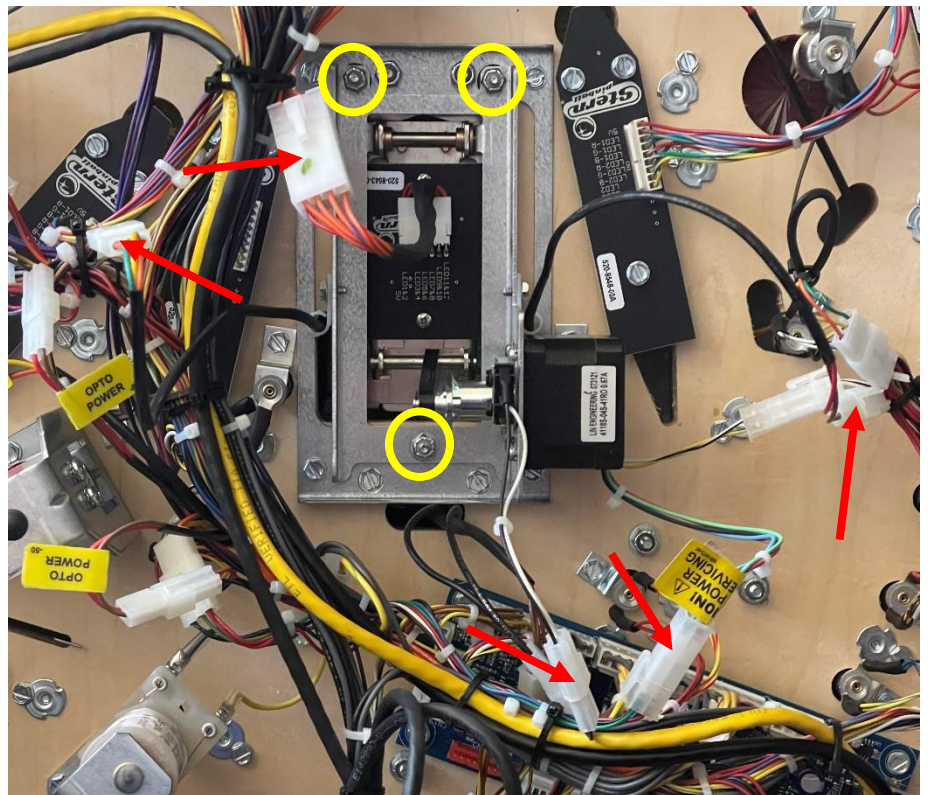
The mod you have ordered is printed from TPU with a very high durability rating. It's a direct replacement for the existing blue rubber ramp guards on the premium and LE models. The blue rubber isn't lasting very long because it's too soft to handle the load placed on it with such a thin profile. Enter TPU. TPU is considerably stronger and more durable and should hold up to much more gameplay before needing to be replaced.

Tools you'll need include: P1 Philips screw driver, 5/16" socket wrench with an extension.

Installation:

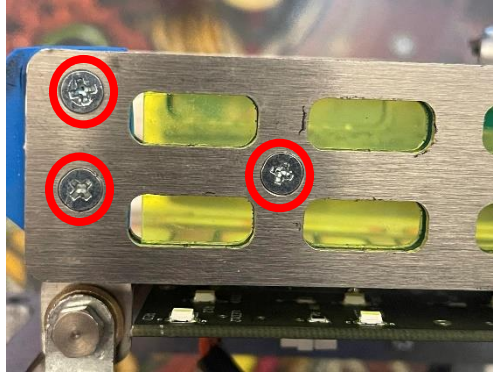
Step 1:

Remove all the pinballs, lift up the playfield, and lean it against the backbox. Disconnect all five wires connecting to the ramp mech (red arrows). Remove the three 5/16" nuts (yellow circles). Carefully lower the mech out of the playfield, being extra careful not to damage the ramp optics as they pass through.



Step 2:

Remove the three screws holding the outer metal plate against the rubber guards (red circles).



Step 3:

Rotate the metal plate up and gently flex it towards you just enough to slide out the old bumper. You can always try to remove the additional screw behind the opto and remove the plate completely, but doing it this way keeps everything together and makes reassembly much easier.



Step 4:

Install the new bumper and secure it with the original screws. There may be some small TPU strings in the holes in the new bumpers, but they shouldn't prevent a clean installation. Repeat this process for the other side.



Step 5:

Reinstall the ramp the reverse of how you removed it. Notice that the nuts secure against rubber vibration dampers, so be careful not to overtighten them. You're done!

Final tip:

Literally EVERYTHING on this playfield is as sharp as a knife! During installation and removal be very careful not to slice yourself. There are also a LOT of washers involved here, so be careful not to lose these when you remove parts, and to put them back in the right places.

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.