

## The Mandalorian PU Upgrade Kit

Part No. 10002181 at [pu-parts.com](http://pu-parts.com)

Tip: To simplify reassembly, please take photos of each step as you disassemble.

Preparation: Please remove the disk of the device and pull out the playfield in maintenance position. If available, please use Assembly Blades (part No. 10000009 at [pu-parts.com](http://pu-parts.com)).



### Scope of delivery:

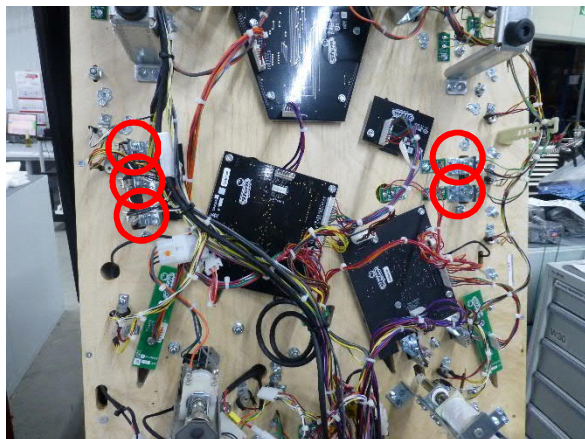
- 1 x Ball Guide Support
- 1 x Anti-Airball-Plastic
- 2 x Ramp-Washer right (2 mm & 4 mm)
- 1 x Ramp-Washer left
- 5 x Small Target-Pad black
- 1 x Large Target-Pad black
- 1 x Williams/Bally Flipper Return spring holder
- 1 x Black Plastic sleeve 3/8"
- 1 x #6-32 x 5/8" Screw with lock washer

### Required tools:

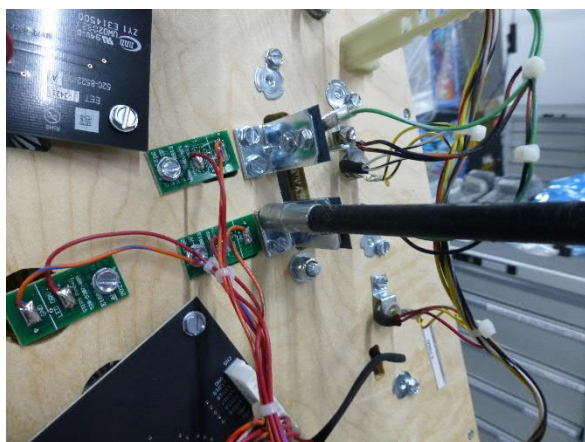
- Phillips screwdriver PH2
- 1/4" Socket wrench
- 5/16" Socket wrench
- 11/32" Socket wrench
- 5/16" Open-end wrench or box wrench
- Side cutter
- Assembly Blades (optional)

Step 1: Change foam pads of the targets

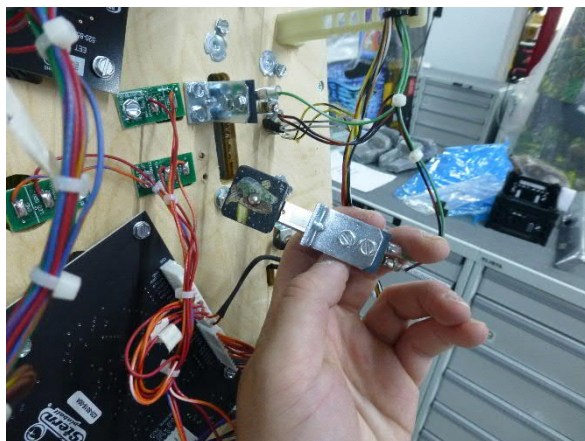
1a) Locate the five stand-up targets.



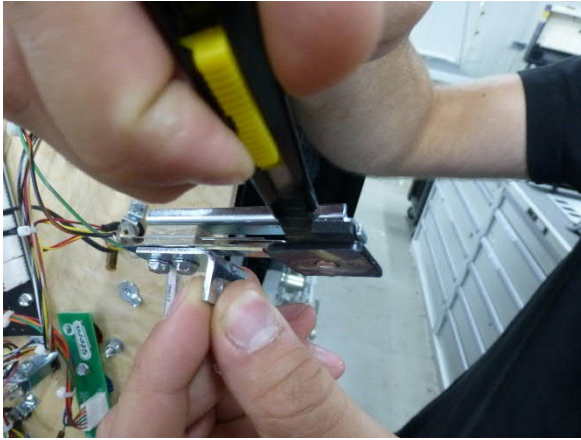
1b) Loosen the two screws of the targets with a ¼" socket wrench.



1c) Carefully pull the target out of the field.



1d) Remove old foam pad with a side cutter.



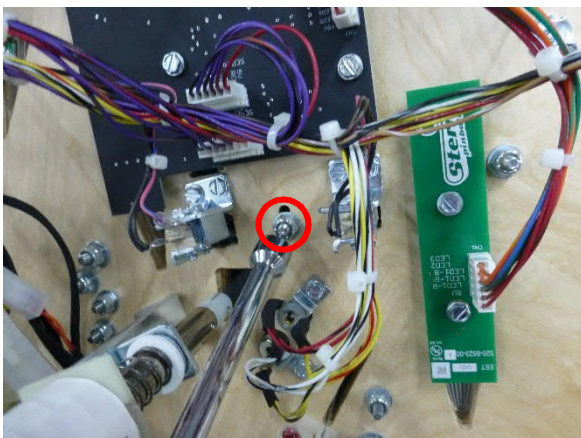
1e) Glue on new foam pad (small target pad).



1f) Repeat the process with the other four targets.

## Step 2: Install ramp washer right ramp

2a) Loosen the nut from the ramp under the playfield using an 11/32" socket wrench.





2b) Loosen the two Phillips screws of the ramp on the playing field.



2c) Lift the ramp at the front by the metal tab so that the threaded metal pin is visible.



2d) Place the 2 mm thick Ramp Washer in the indentation of the playfield (flush with the oblong hole). Remove the foils from the plastic beforehand!



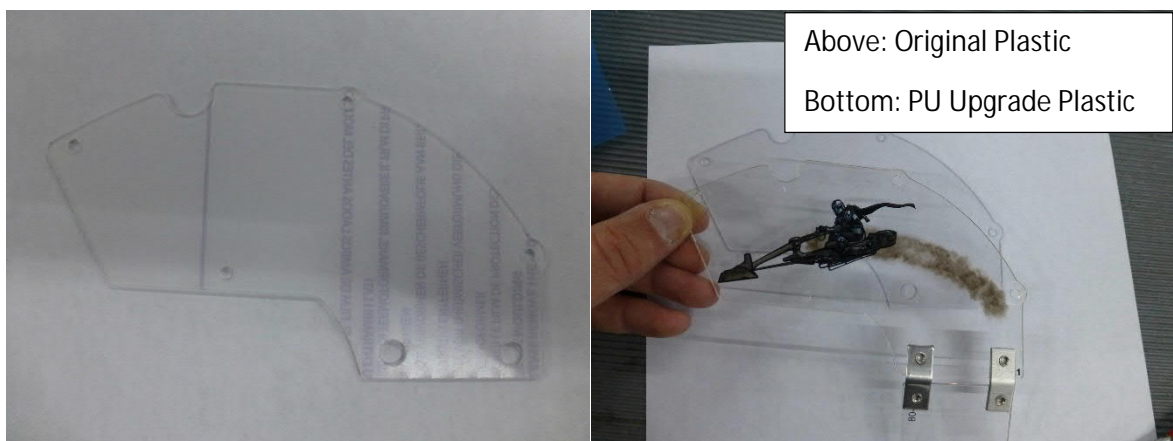
- 2e) The ramp can be mounted again. To do this, guide the metal pin of the ramp through the oblong hole in the playfield again. Tighten the two Phillips screws on the ramp and tighten the nut under the playing field.  
Note: If the ramp is still not "smoothly" playable in the game, repeat step 2 of the instructions again with the 4mm Ramp Washer. Experience has shown that the 2mm ramp washer is sufficient.

### Step 3: Install Anti-Airball-Plastic right Ramp

- 3a) Loosen and remove the three Phillips screws. To do this, lock the nuts with a 5/16" open-end or box wrench and loosen the screws with the Phillips screwdriver. Then remove the plastic.



- 3b) Remove protective films from the Anti-Airball-Plastic and place it under the original plastic.



- 3c) Mount the plastics on the ramp again. Please remember the original spacers!

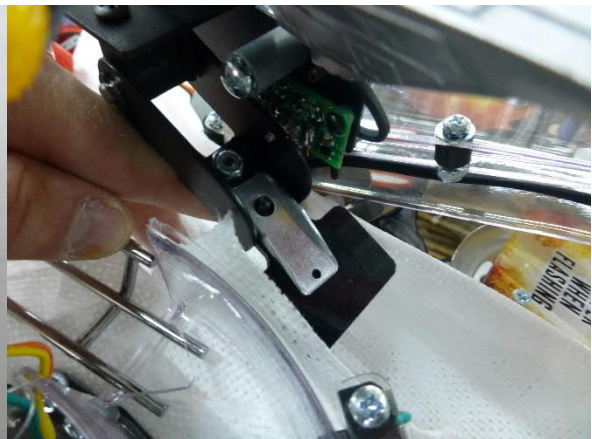


#### Step 4: Upgrade Razor Crest Target

- 4a) Remove the lower screw and nut of the target. To do this, lock the nut with a 5/16" socket wrench and unscrew the Phillips screw with the Phillips screwdriver. It is best to place a rag or cloth on the target as protection.



- 4b) Put the supplied metal bracket on the screw and fix it with the nut.

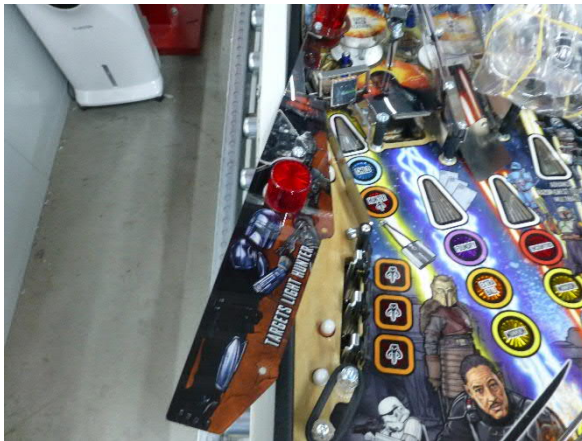


### Step 5: Installing the support bracket for the left orbit plate

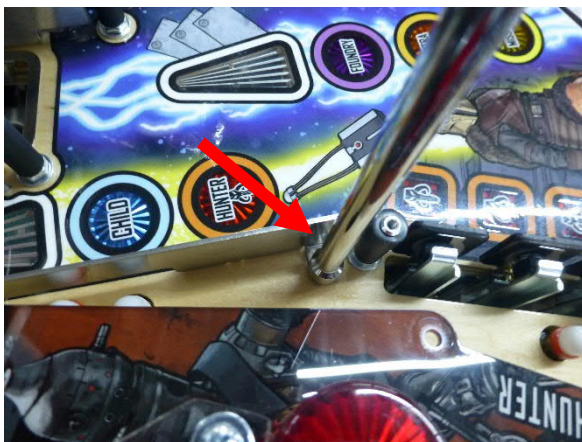
5a) Remove the two Phillips screws and the 5/16" nut.



5b) Carefully remove the plastic upwards and turn it slightly to the side. If possible, place a cloth under the plastic to avoid scratches.

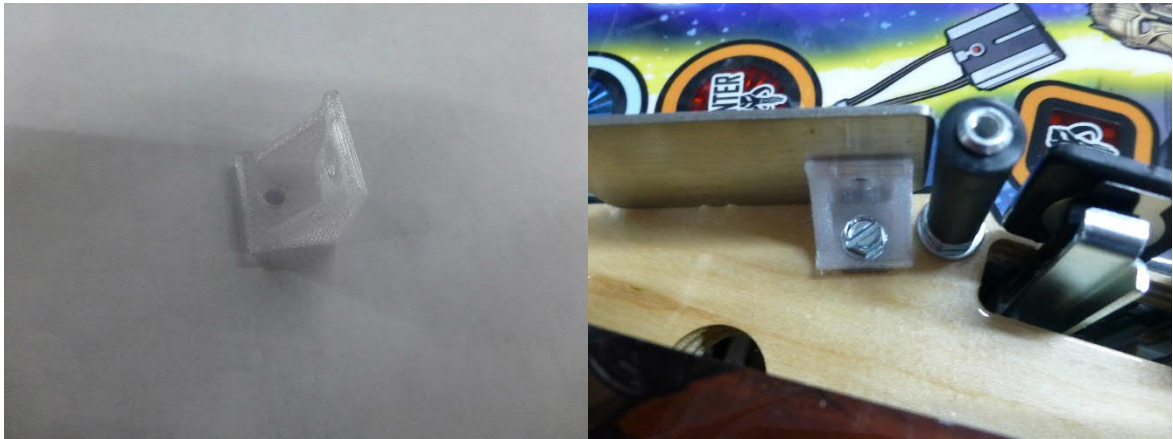


5c) Remove the 1/4" screw using the 1/4" socket wrench.





5d) Screw on the support bracket.



5e) Reinstall the original plastic and secure it with the two Phillips screws and the 5/16" nut.

#### Step 6: Install Ramp Washer left Ramp

6a) First, the Razor Crest Ship must be loosened. To do this, remove the upper Phillips screw. The lower Phillips screw only needs to be loosened. The Razor Crest Ship can now be placed to the rear.

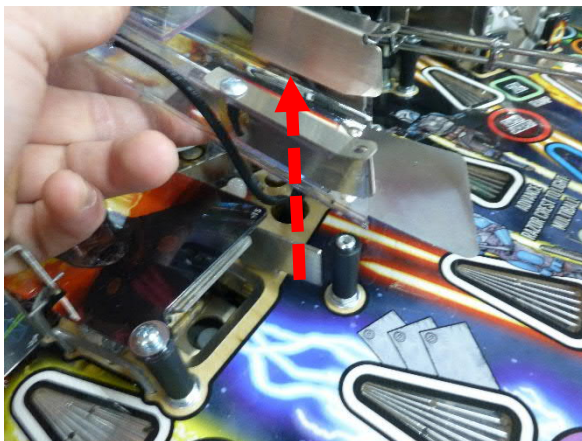




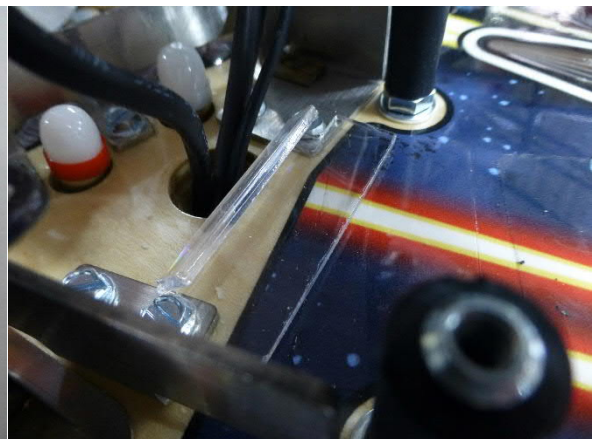
- 6b) Remove the two Phillips screws of the posts at the ramp entrance with the corresponding spacers. Attention: On the right is a longer spacer as well as a longer screw!



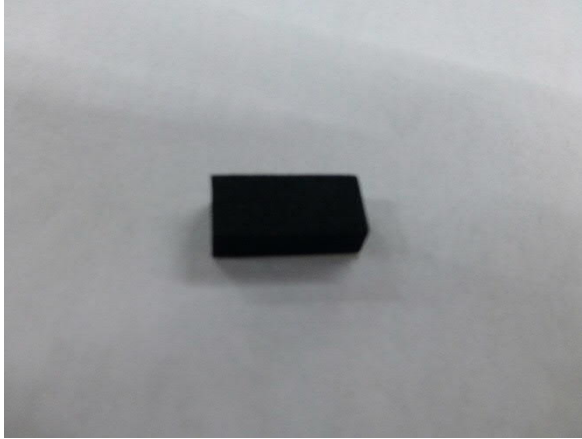
- 6c) Lift the ramp at the front by the metal tab so that there is space between the ramp and the playing field.



- 6d) Clamp the plastic angle between the two screw heads of the 1/4" screws. Remove the foil from the plastic angle beforehand.



- 6e) Glue the large target pad flush left under the metal tab. It must sit flush against the plastic edge of the ramp (see dashed figure).

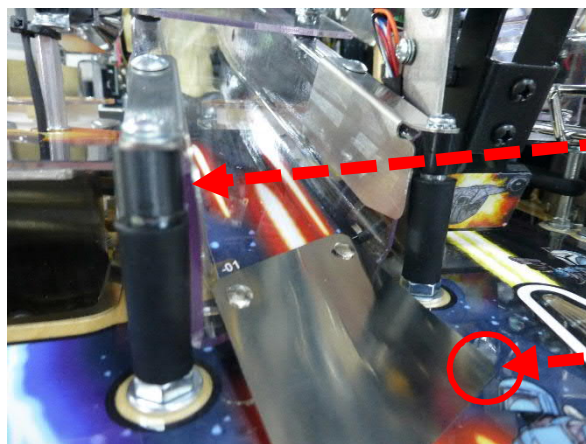


- 6f) Reattach the ramp to the playing field. Place the two black spacers between the metal angle and the post and fasten them with the Phillips screws. Note: Right long spacer with long screw, left short spacer with short screw.





- 6g) On some units, after the upgrade, the right corner of the metal tab (left ramp) may be slightly up in the air. In this case, the left spacer and screw must be replaced with the 3/8" black plastic sleeve and #6-32 x 5/8" screw with lock washer.



Included longer spacer + longer screw

If this corner is in the air, please install the supplied spacer and screw.