

GRIZZLA

pads



Designed for the ultimate EUC comfort,
performance and safety

Rider's manual v.1 (updated 17/9/2021)

Contents:

- (1) Introduction
- (2) In the box
- (3) Step 1: Mounting self-adhesive hook and loop fastener on Pads and the EUC
- (4) Step 2: Positioning Pads on the EUC
- (5) Contact details

(1) Introduction

Fellow EUC Rider,

Thank you for purchasing GRIZZLA pads (GP)!

By making this choice you are allowing us to invest more time and resources into developing new accessories for electric unicycles!

GP are modular side-pads¹ intended for use and installation on the electric unicycle (EUC).

*GP were designed to enhance all aspects of EUC experience, altogether improving **control** over the wheel and boosting **riding confidence**:*

- *Faster **Acceleration** (without overleaning!)*
- *Better **Incline** abilities*
- *Increased **Breaking** power*
- ***Foot Stability** on bumps or uneven surfaces*
- ***Jumping** with the wheel (e.g. on curbs and ramps, pump or single tracks)*
- ***Maneuverability***
- ***Wheel protection** - pads working as an active bumper during falls/crashes/accidents*
- *More **Visibility** - assuming you've chosen eye-catching colors and/or pads version with reflective straps version*

We prepared this manual, so you'll have no doubts on how to properly install and make the best use of GP.

(2) In the box

- 2x Front pads (L+R)
 - 2x Rear pads (L+R)
 - 2x Bumpers/Caps (L+R)
 - Self-adhesive fastener tape (Hooks) - to be adhered to the bottom part of GP
 - Self-adhesive fastener tape (Loops) - to be installed to the side-shell of your EUC
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¹ We prefer to call it side-pads instead of power-, fly- or jump- pads as all the latter point only at one specific function which might be misleading

(3) Step 1: Mounting self-adhesive hook and loop fastener on GP and EUC

It is best to connect GP with your EUC using self-adhesive hook and loop fasteners which are provided in this package. This method has many advantages over permanent placement (glue, double-sided tape), as it allows you to:

- **flexibly adjust positioning** of the pads for different people, shoe sizes and riding circumstances
- using **same set of pads with multiple EUCs**
- **dismounting the pads altogether** when not desired/needed on the wheel e.g. for transport

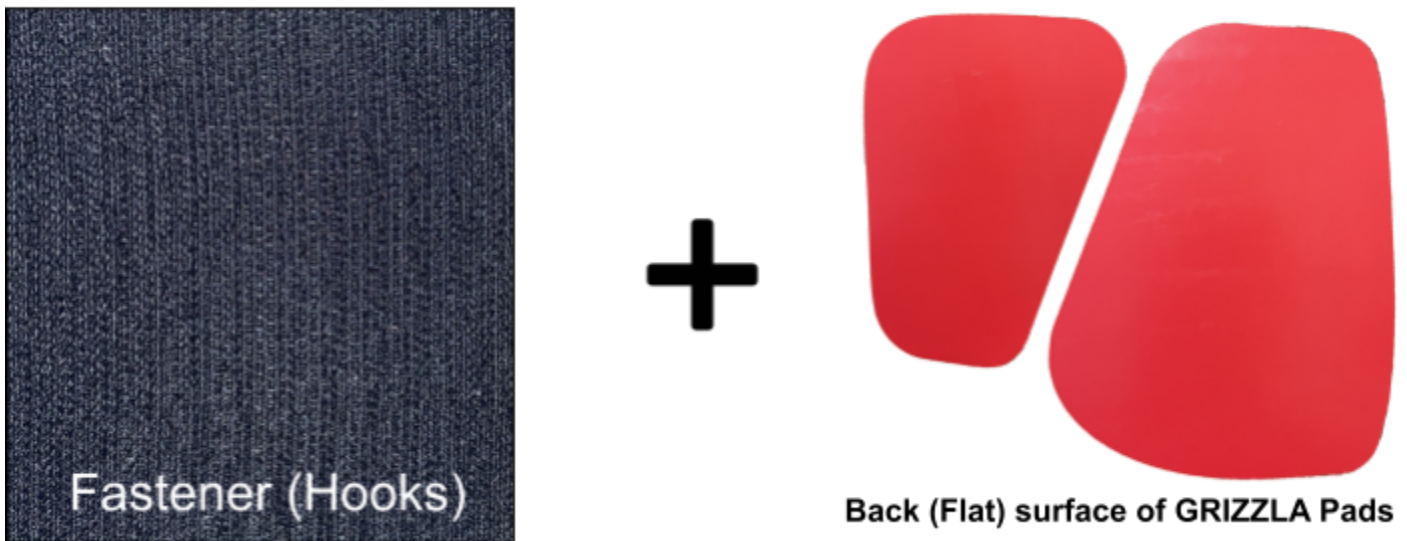
First, you'll need to glue fasteners to GPs (hooks) and EUC side-shell (loops).

The fastener set consist of two separate pieces with different types of active surfaces:

- Hooks (mounted on the pads) - spikey, sharp texture, irritates the skin
- Loops (mounted on the EUC) - meshy, pleasant and smooth tangible feel

Step 1.1 Gluing fastener (Hooks) to GPs

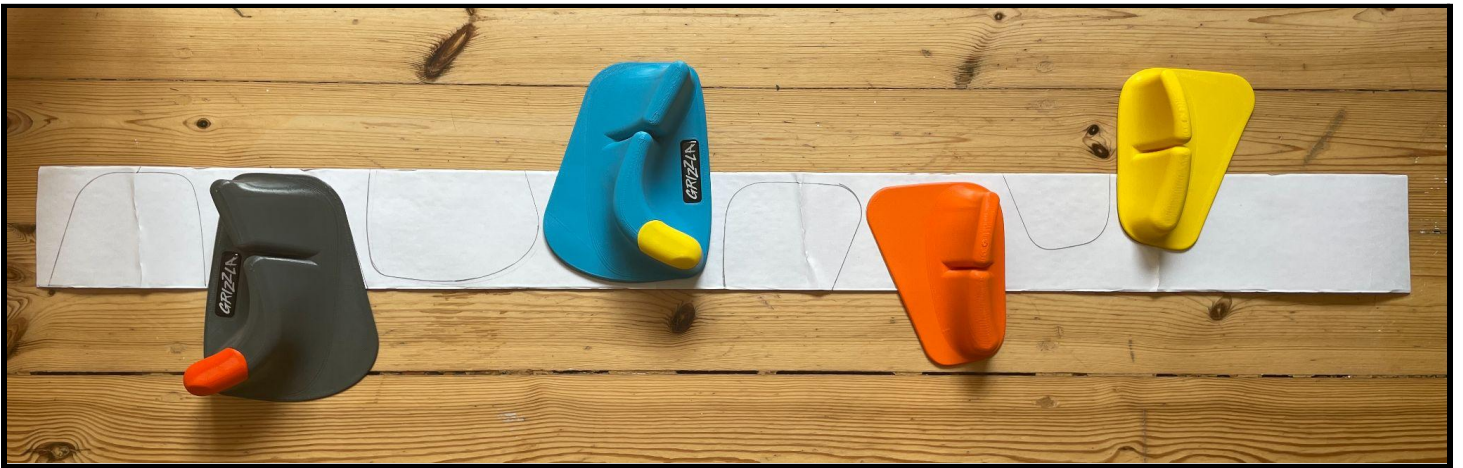
Fasteners (hooks) have to be glued to the back side of GP covering its **entire surface**:



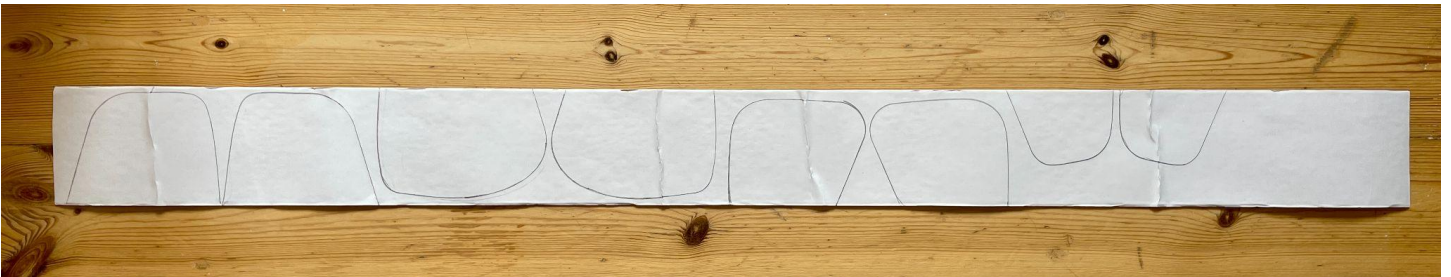
List of tools needed for pads installation (not included):

- Pencil/Pen/Marker
- Sharp knife with replaceable blades / kitchen scissors
- Piece of cloth / kitchen towel
- Degreaser (e.g. isopropyl alcohol, metyl alcohol, ethyl alcohol)

1.1.1 Start with **drawing pads shapes on the paperwhite side** of the tape.



Below you'll find an example layout for cutting the tape consisting of 8 pieces (2 pieces for each pad):



1.1.2 Proceed with **cutting the drawn outline**. We recommend using a sharp knife with replaceable blades or kitchen scissors. For smooth cuts, clean the knife from glue residuals from time to time.

1.1.3 It's time to **clean/degrease** the back part of the **pads surface** (and sides of your EUC) before gluing the fasteners.

Tip #1: **What to use for cleaning (degreasing) the side-shell and bottom part of the pads?**

RECOMMENDED: isopropyl alcohol, methyl alcohol, ethyl alcohol

DO NOT USE: naftaline, acetone,

WARNING: Using strong chemicals can destroy the surface of your side-shell or material of the pads. Please contact us at grizzlapads@gmail.com to double-check in case of doubts.

1.1.3 Remove the white paper from pre-cutted pieces of tape to **uncover the glue and attach it one-by-one to corresponding fragments of the pads' bottom surface.**

See below example of properly glued fastener (hooks):

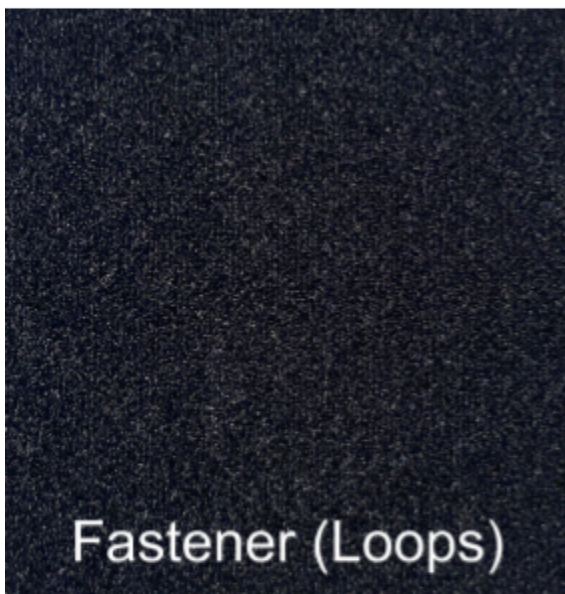


Tip #1: More than **95%** of the pad's surface should be covered with the fastener tape

Tip #2: Tape hooks should not protrude beyond the outline of the pads as this will be irritating in contact with the skin

Step 1.2 Gluing fastener (Loops) to the EUC

Fastener (loops) need to be glued to the side shell of your EUC allowing for flexible positioning of the pads as well as maximum contact with hooks surface on the pads.



1.2.1 Start with **aligning on the room** you'd like to have **for pads' positioning** on the side-shell. This will translate into a surface you'd need to cover with the fastener (loops).

Tip #1: Since you won't know from the beginning which positioning is optimal, we recommend that you **include some buffer** for experiments.

Tip #2: Depending on your EUC model, you **might need to remove the original pads** before attaching the fastener (e.g. Begode MSX, MSP, Veteran Sherman) or else positioning of the pads will be restricted or there won't be enough contact between fasteners on EUC and the pads. (see examples in Step 2)

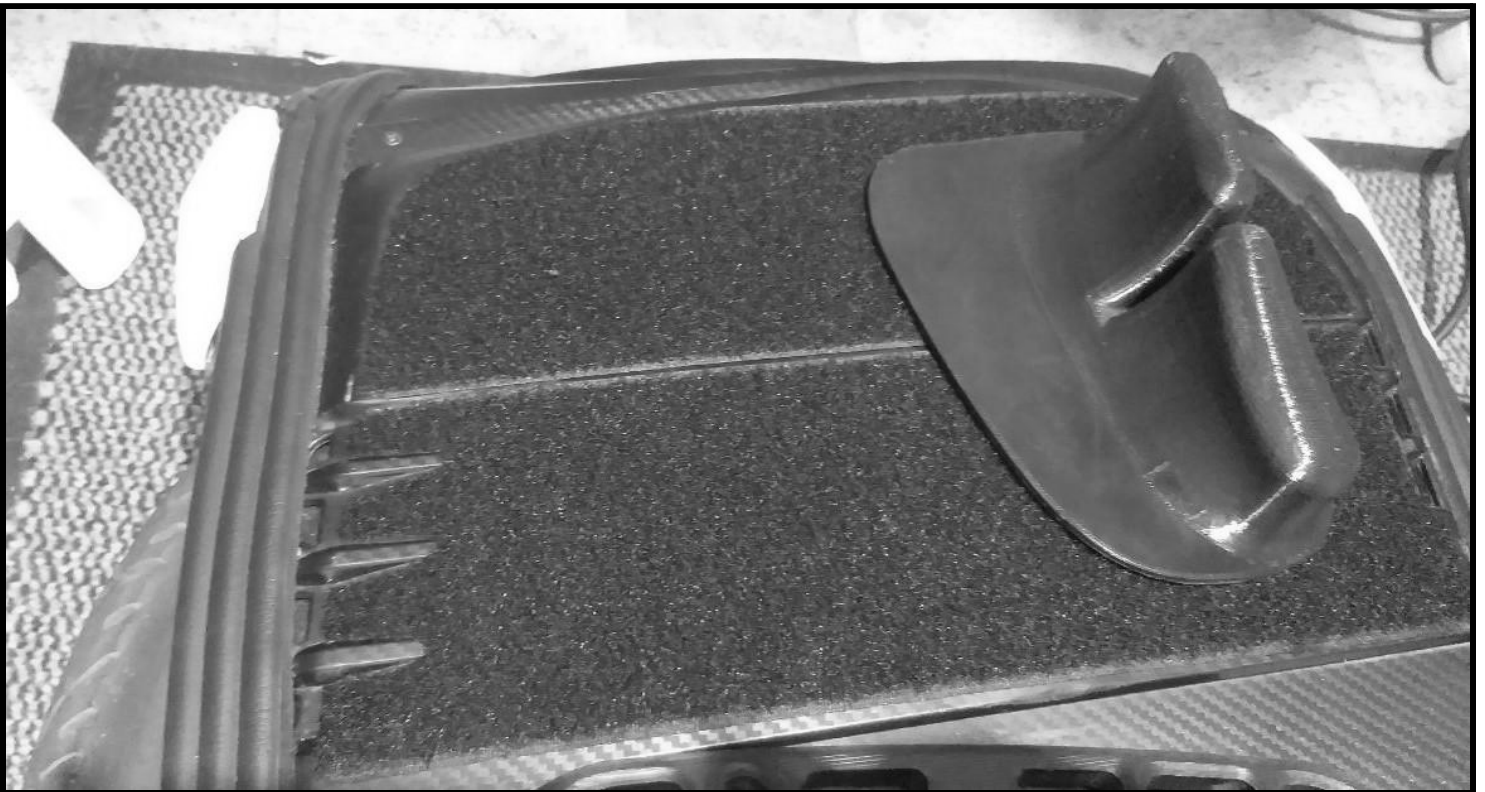
1.2.2 Please **clean and degrease** relevant **shell surface** before gluing the fastener (see 1.1.1 above for details)

1.2.3 **Cover the entire** relevant **surface with long, horizontal pieces** of fastener tape (loops). Provided tape allows you to cover the EUC shell (both sides) with at least 2 rows of the fastener.

Tip: Attach 2 rows of the fastener on both sides before attempting the 3rd row to avoid the risk that you run out of the fastener tape.

See below examples of fastener (loops) glued properly to the side-shell:

- **Gotway/Begode MSX/MSP/RS:**





- Gotway/Begode Tesla (V1-3)



(4) Step 2: Positioning GRIZZLA Pads on the EUC (WIP)



- Modular design of GRIZZLA pads allows you to **independently position front and rear pads**
- Give yourself some time to experiment - exploring the trade-offs behind different positioning patterns
- There is **no “ideal” positioning pattern** and it will be informed by your **riding style**, shoe size and many other factors listed below

See below guide for **”default (starting) position”** from where you can adjust and modify the setup based on your personal preferences:

1 Use a piece of tape/chalk to **mark the end point of the footplates in a folded position**. By doing so we can estimate how low the pads can be placed without losing possibility to close the pedals.

2 Turn on the wheel and provide support for it. Then put your shoe on the footplate in everyday riding position

3 Start **aligning the front pad**, so that:

- the lower edge of the pad ~1-3 cms above the shoe instep,
- the longer edge of the GRIZZLA logo stays possibly perpendicular to the ground/footplates or (slightly) rotated clockwise
- left edge of the pad has 1-2 cm distance from the point your shin is located

4 Proceed with **alignment for the rear pad**:

- The lower edge of the pad should sit 1-3cm above the shoe collar
- Try to keep the **joint edges** of the front and rear pads **parallel** to each other

Having pads aligned in the default position you can give it a try... then adjust...and try it once more...

Note that it can take several days of trials until you find optimal positioning.

Once you have it, then we recommend to draw marks on the fastener/side shell so you can easily dismount the pads without losing your perfect pads' settings.

Tip: What other factors might affect pads positioning?

- Available space on the EUC side-shell
- **Size of the shoes** (both its length and height)
- Default **shoe position on the footplates** (front-rear)
- Type of **knee- and shin- guards** used
- **Personal preferences** with regard to:
 - Feeling **Locked/Loose** with the wheel
 - Default stance (**Straight/Bent knees**)
 - **Riding style** or **intended purpose** for using the pads (e.g. jumping, rapid acceleration)
- **Horizontal orientation** of the footplates (pitch angle)
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(5) Contact us:

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Instagram: [@grizzla_euc](https://www.instagram.com/grizzla_euc)

Facebook: [/Grizzla Pads](https://www.facebook.com/GrizzlaPads)

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