

Mike_Flys Mavic 2 Pro/Zoom Float Kit Assembly and Installation Instructions.

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Thank you for purchasing our Mavic 2 Pro/Zoom Float Kit! We appreciate your business, and we hope you enjoy your kit.

INCLUDED IN THE KIT

This kit is enclosed of one bracket parts kit and one float parts kit.

The Bracket Parts kit includes:

- 2 of the 3d printed Rear Mounts with Velcro straps
- 2 of the 3d printed Front Mounts with Retention Bands

There are 2 different float parts kits. The Smooth Styrofoam kit and the 3d printed squishy float kit. You will have the parts for the kit that you purchased.

The Smooth Styrofoam kit includes

- 4 of The Smooth Styrofoam Floats
- 4 of the 99mm (4-inch) Plastic bolts
- 4 of the 3d printed washers



The 3d printed squishy float kit includes:

- 4 of the 3d printed Squishy Floats
- 4 of 3d printed studs



NOTE: These are handmade, 3D-printed or cast plastic parts, or hobby class Styrofoam. They are hand made and may have cosmetic imperfections, which will not affect their performance.

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Installation of Rear Brackets

1. With the arms extended, lay your Mavic on its back.
2. Position a rear mounts so "MikeFlys.com" is upside down facing you. The nut will go to the outside under the rear motor. This is how you can tell left from right.
 - a. With the drone upside down facing away from you set a rear mount on its end with the nut at the top facing the top facing in toward the drone body.
 - i. You can fold the Velcro straps over the MikeFlys.com to keep them out of the way if you like.
 - b. Place the bracket against the rear arm of the drone about in the middle and slowly rotate it into place snapping the end with the nut on it near the motor then the end near the drone body.



- c. Wrap the end of the Velcrostrap with a hole in it around so that it aligns with the top (currently bottom if drone upside down) of the arm. You may have to feed it one way or the other through the bracket to get it to line up.



- d. Feed the strap through its hole snug it up and secure it onto its self. It's okay if some of it hangs loose below the bottom of the arm, but not above it as so it will not get hit by the propeller.

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Installation of Front Brackets

The 2 front brackets are the same so it doesn't matter which one goes on the left or right. The front brackets have triangle shaped holes to fit the triangle shaped front legs and only fit on one way.

1. Align the hole in the bracket with the leg and slide it on.
Make sure it goes on all the way. The retention band provides some friction to hold it on.
2. Repeat for the other leg.



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Float Installation.

Please follow the instructions for the type of floats you have. Hard Smooth Styrofoam floats or 3d printed squishy floats

Installation of Foam Floats

1. If you supply your own foam floats drill a ¼ inch hole as close to center as possible. Being off center a little will not hurt anything.
2. Insert the screws into the pre-drilled holes on the styrofoam balls. Push it in until the head is flush with the outside of the ball
3. Install the washer on the screw on the other side of the ball
4. Thread the bolt/ball/washer assembly into one of the mounts. Use your thumb and finger on the screws knob to snug it into place.
 - a. While the bolt/screw should be snug the float does not have to be tight. It is normal for the floats to be a bit loose and loosen up over time. It does not affect their performance.

Caution: Do not over tighten

5. Remove floats from brackets for storage or transportation. **The floats should only be bolted to the brackets when you are flying the drone with them.**
6. **Check the tightness of the screws at the beginning of each flight, including battery changes.**



Installation of 3d printed squishy floats

1. With the floats not attached to the studs thread (twist clockwise) the studs all the way into the brackets.
 - a. The fit may be a bit tight.
 - b. The line across the threads on one side help keep the studs from coming loose in flight.



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2. Thread the floats onto the studs until they are snug against the brackets.

- a. Do not use a washer
- b. The flexibility of the float material allows the threads in the floats to skip over the threads on the studs if over tightened.
 - i. The floats will stay on as long as you install them snug against the brackets.
- c. The weight on the drone may cause the floats to cock slightly on the studs, and cause the floats to bend slightly when on the ground. It will not affect the performance of the floats in flight or landing on water.



Important tips

- These are 3d printed hollow floats. it is normal for them to take on some water during normal use. Please inspect them for tears, cracks, holes,... before each use.
 - If you blow into the floats mounting hole it should expand a little under the pressure
- Do not trim off the curly cue tip
- Do not squish or expand floats if the temperature below freezing 0C 32F
- When not in use store fully expanded
- They are very durable but try not to squish them more than 50%
- Only squish them to what's needed for transport.
- To help expand them blow into the hole with low air pressure. I use my mouth over the screw hole and blow to help expand
- If the float has a dent or 2 when expanded that doesn't come out with blowing into it warming it up can help it return to its original printed shape. I set them in the sun for a bit. *Note: small dents will not affect the floats performance*
- If possible, warm the float before squishing or expanding.
- Inspect for rips or holes before every flight
- Like any hollow float or boat hull it is common for the float to take on some water over time.
 - Do not let your drone float in the water for extended periods of time.

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1. Do not hold the floats under water. They were designed to set on top of the water and will not take the pressure of being completely submerged.
2. Thread a float onto each stud. Lightly snug against the bracket.

Warning Do not over tighten

CAUTION: Although this product has been designed around successfully flying on and off very calm water, we cannot guarantee your Mavic will not receive water damage if you attempt to fly it on or off the water.

WARNING: There are too many variables we cannot control, including, but not limited to, the calmness of the water, installation of floats, how hard the Mavic lands, etc.

PLEASE NOTE: We are not responsible for any damage to your Mavic. Use responsibly and at your own risk.

For support or to get replacement parts, visit: <http://www.mikeflys.com>