

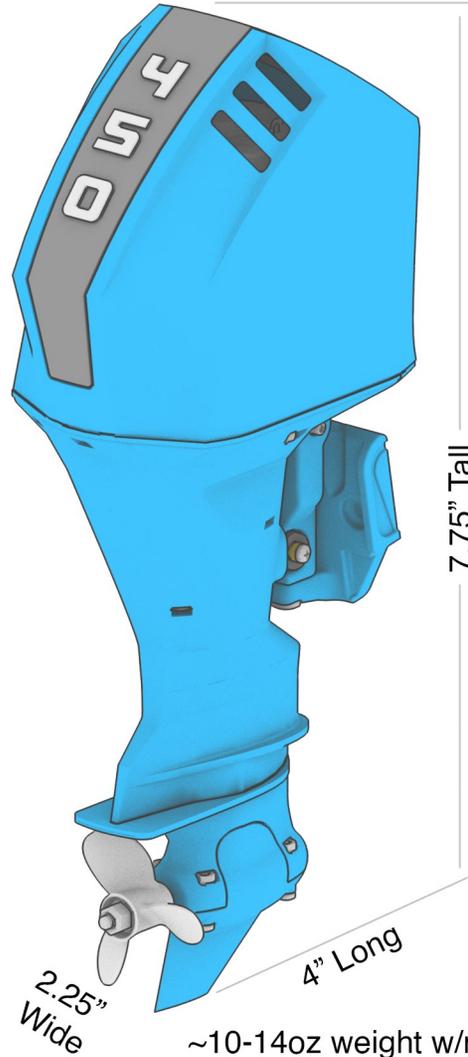
SPYKER WORKSHOP - 1/10TH OUTBOARD KIT

V2.0

Outboard Motor Assembly Guide (Page 1)

Steering / Trim Servos Built-in
Durable Colored 3D Prints
Scale Look

Designed by Ryan at
spykerworkshop.com



V2.0 We upgraded to ABS plastic for superior durability and ease of use. Unlike brittle resin, these parts are tough, heat-resistant, and come pre-colored so you can skip the painting and get straight to building.

CHANGES

Biggest change from V1.0 to V2.0 is no longer resin printed. They now come ABS regular 3D prints. MUCH more durable and they come pre-colored now painting sanding etc no longer required!

Next change is the trim servo can handle higher powered motors due to a new linkage design. ALSO the trim servo can work with brushless outrunner motors now since they mount differently and don't need to 'clamp' to the motor.

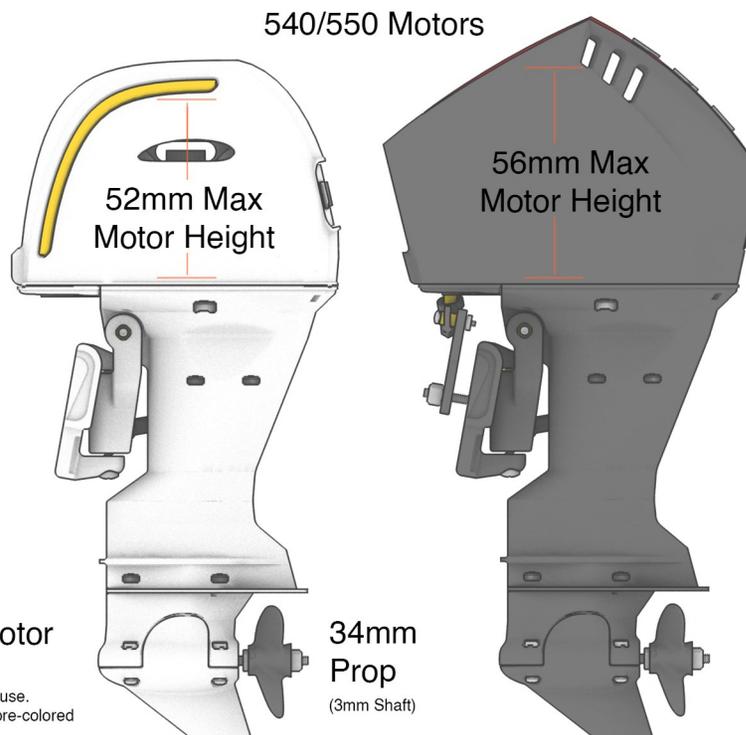
You can still skip the trim servo and just adjust the trim manually but now it's 100x easier to adjust than before, just 1 screw in the back under the motor cover.

SAFETY AND PRECAUTIONS

Sharp Edges: FDM printed parts, particularly where supports were attached, can occasionally have sharp burrs or rough edges. Handle raw parts with care and use a file or sandpaper to smooth down any sharp spots to prevent scratches or cuts during assembly.

Sanding ABS (Optional): Due to the fine plastic dust produced while sanding ABS prints, work in a well-ventilated area. Consider using a filtered fan to catch airborne particles. Always wear a dust mask and eye protection.

Chemical Safety: Be cautious when using chemicals like acetone, glues, or paint. Use gloves and work in a well-ventilated area.



SOME IMAGES ARE FROM THE OLDER V1.0 (SIMILAR)

WORKING WITH ABS 3D PRINTS

Support & Brim Removal: Use flush cutters or a hobby knife to cut away excess material. USE CAUTION, DON'T CUT YOURSELF!

Sanding (Optional): No sanding is required! Our kits are designed to look great and function perfectly right off the printer. However, if you desire a smooth finish, you can sand the surfaces to remove layer lines. Start with coarse grit and move to fine for a professional result.

Filling Gaps (Optional): If you are painting, automotive body filler (Bondo) bonds very well to ABS—just make sure to sand the parts with coarse sandpaper first. For small pinholes or scratches, "Glazing & Spot Putty" is easier to use. You can also make your own "ABS Slurry" by dissolving scrap support material in pure acetone; this creates a filler that chemically welds into the part and sands down.

Painting (Optional): No painting is necessary! The colored ABS plastic is durable and ready to use as-is. However, if you wish to customize your livery, clean the parts to remove oils. We recommend a "Filler Primer" to hide layer lines, followed by a spray paint like Rust-Oleum. Finish with a clear coat.

REQUIRED TOOLS & SUPPLIES

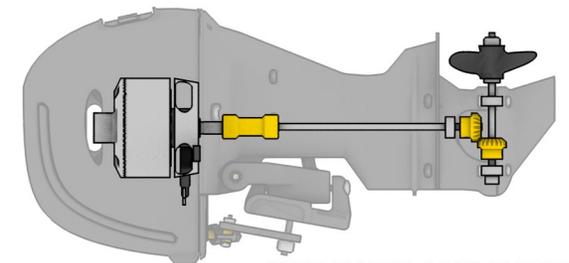
Given the modular and intricate nature of this kit, we strongly recommend you thoroughly review this entire instruction manual before starting. This will give you an idea of the specific tools and supplies you may need for your personalized build.

Tools: Examples include, but are not limited to, screwdrivers, craft knives, deburring tools, sandpaper, and flush cutters etc.

Glue: We recommend using medium gap-filling CA glue (Super Glue) for assembling. Alternatively, because this is ABS, you can use "ABS Slurry" or pure ABS cement to chemically weld the parts together.

Additional Supplies: You will need other materials not included in the kit, such as filler primer, paint, batteries, electronics, motors, etc.

TROUBLESHOOTING Customer Support: Please email us at spyker.sales@hotmail.com with any help you need!



SPYKER WORKSHOP

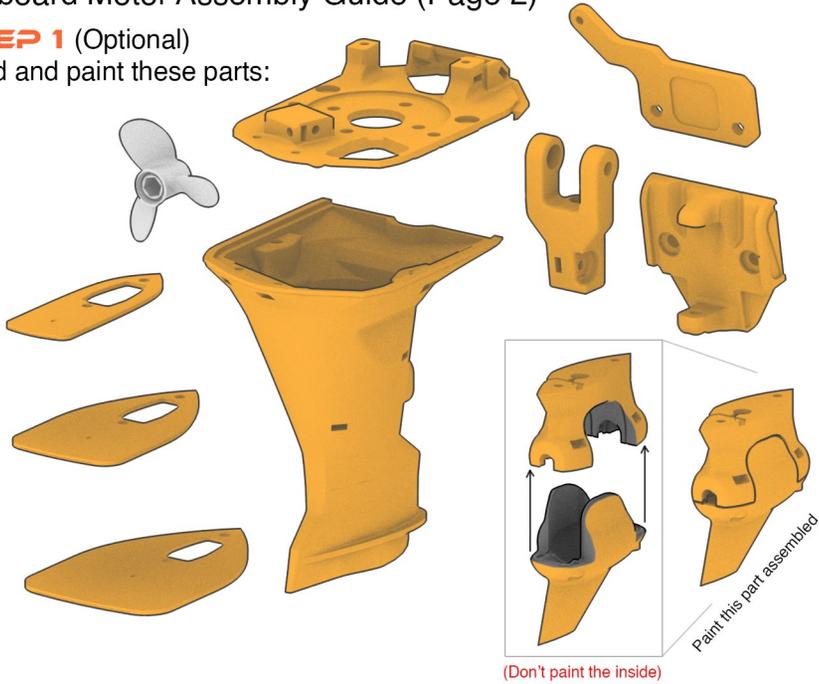
SOME IMAGES ARE FROM THE OLDER V1.0 (SIMILAR)

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Outboard Motor Assembly Guide (Page 2)

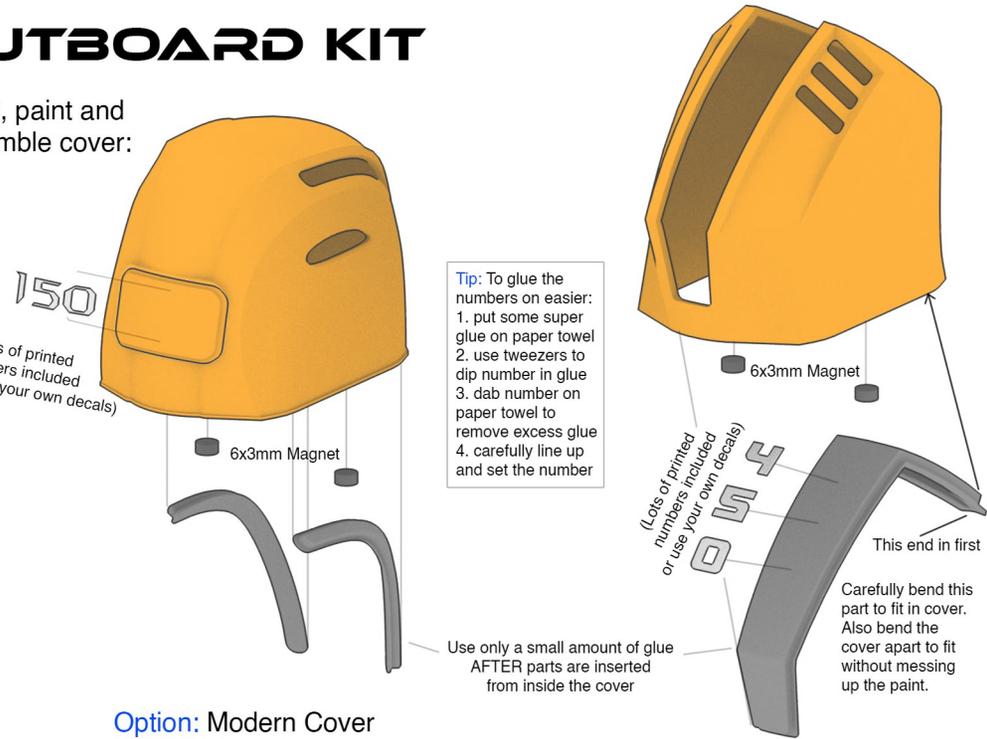
STEP 1 (Optional)

Sand and paint these parts:

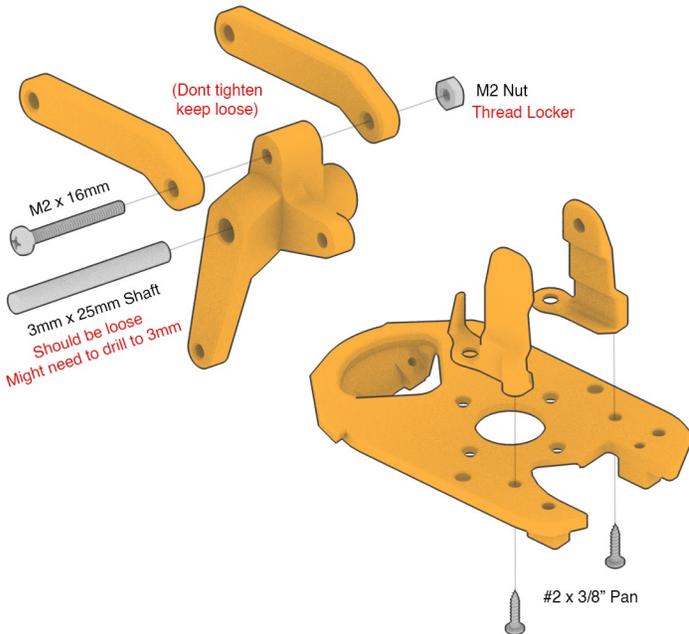


Sand, paint and assemble cover:

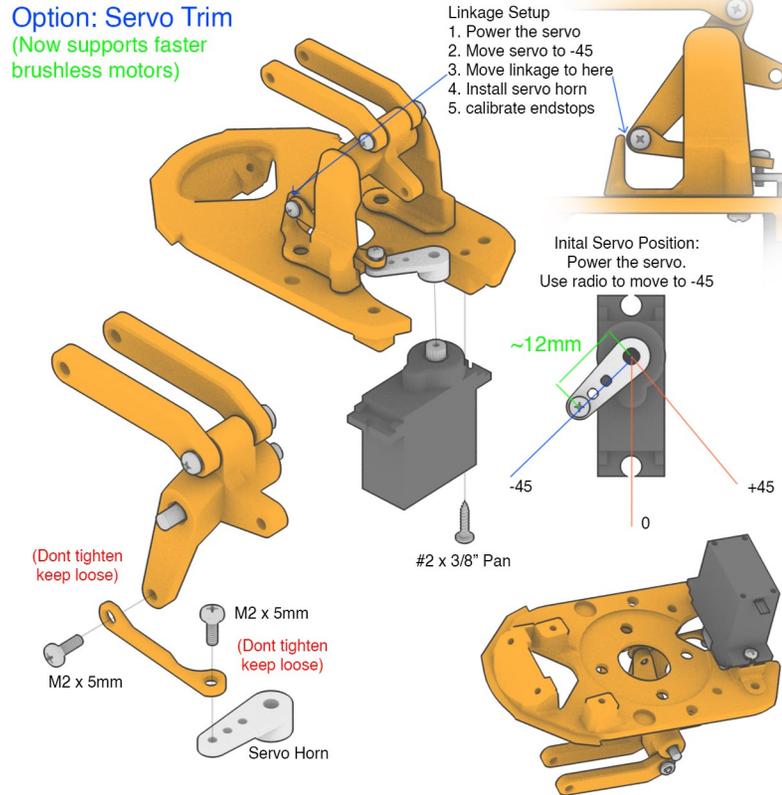
(Lots of printed numbers included or use your own decals)



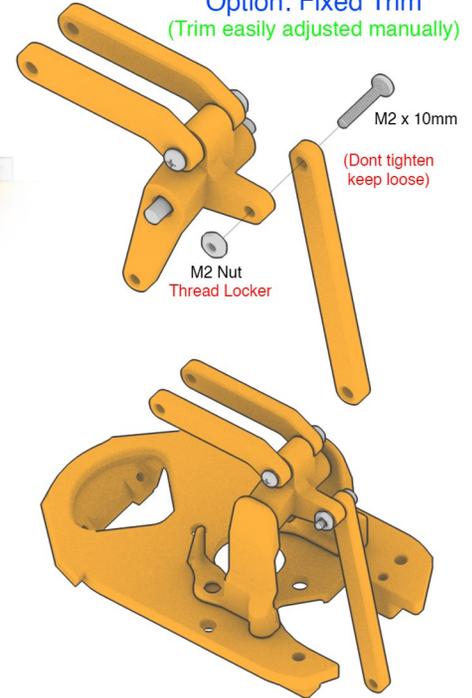
STEP 2 Servo Trim or Fixed Trim:



Option: Servo Trim (Now supports faster brushless motors)



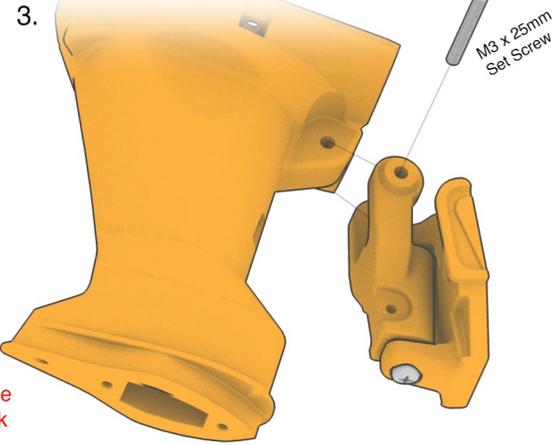
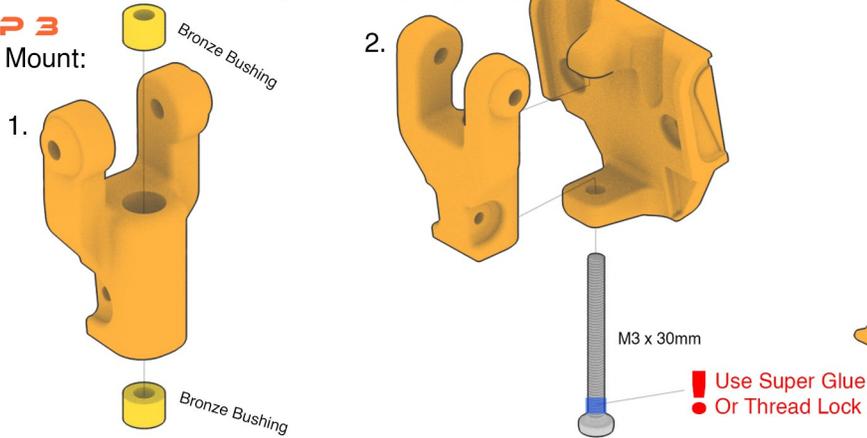
Option: Fixed Trim (Trim easily adjusted manually)



SPYKER WORKSHOP - 1/10TH OUTBOARD KIT

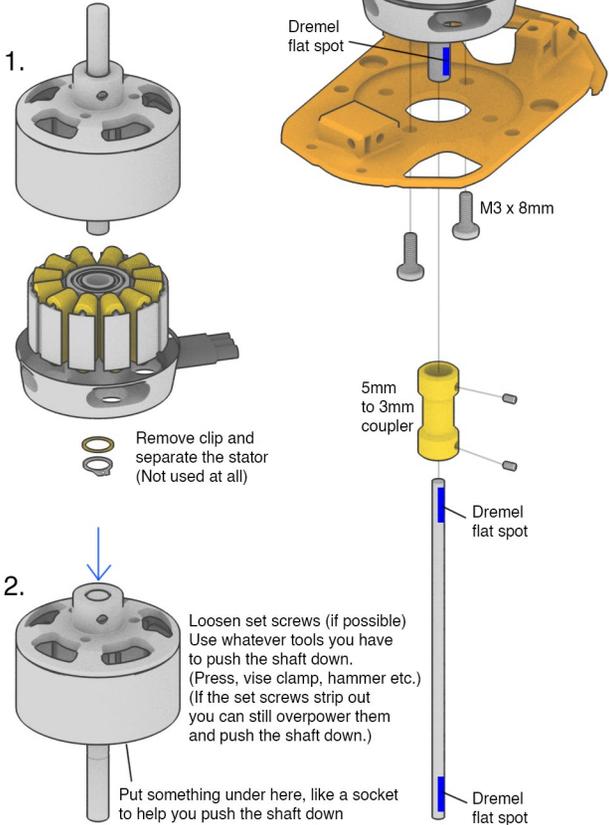
Outboard Motor Assembly Guide (Page 3)

STEP 3 Install Mount:



STEP 4 Prepare Motor:

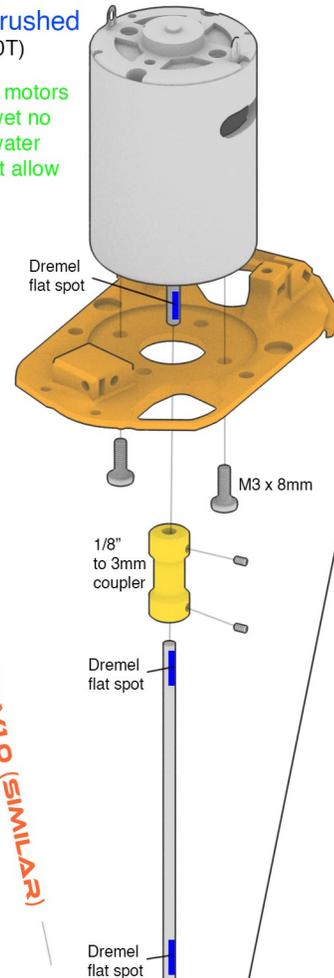
Option: Brushless Outrunner
(I used 3536 1450KV)
Motor must be modified:



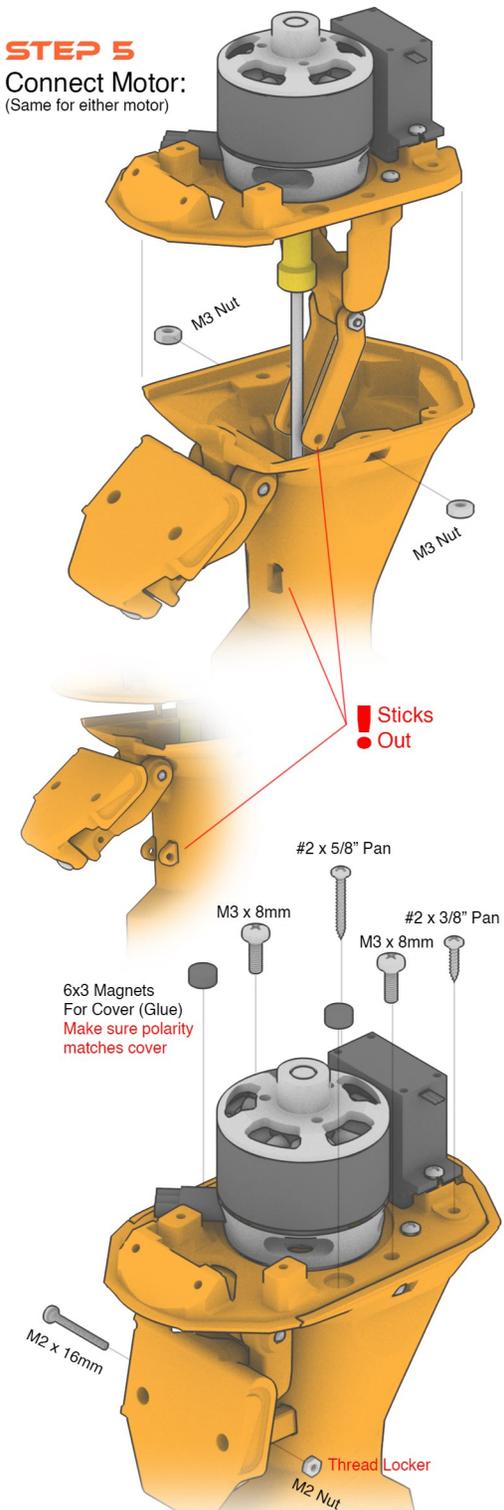
Option: 540 Brushed
(35T, 45T, 55T, 80T)

(Brushed motors can run wet no need to water proof, just allow to dry)

SOME IMAGES ARE FROM THE OLDER V1.0 (SIMILAR)



STEP 5 Connect Motor: (Same for either motor)

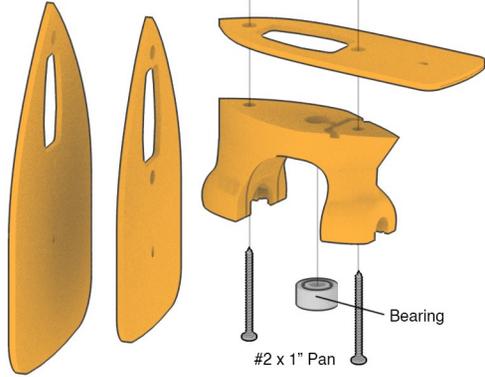


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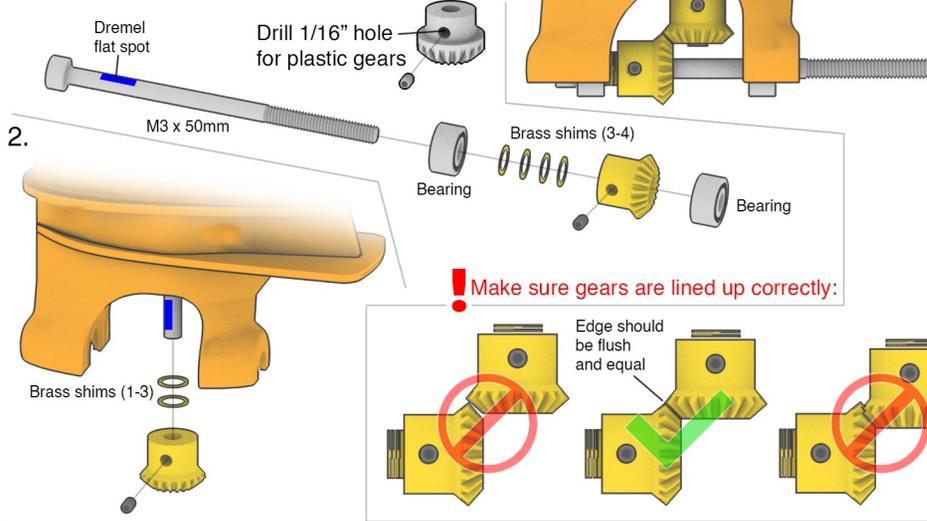
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STEP 6 Lower End:

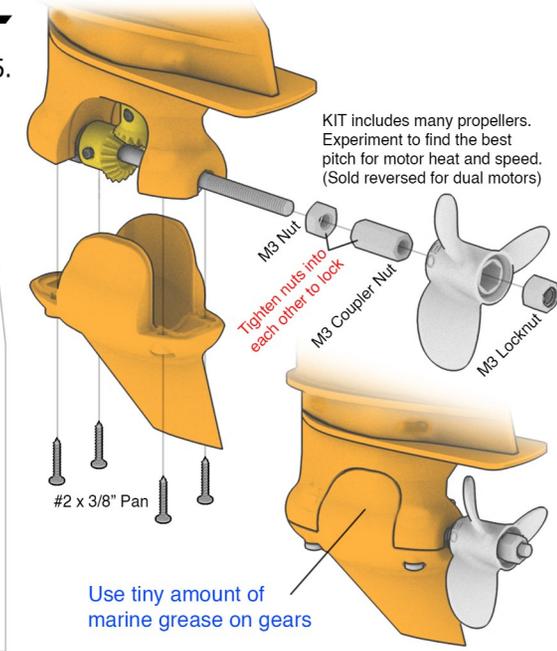
Option:
3 cavitation plates:
(Easy to make your own tool!)



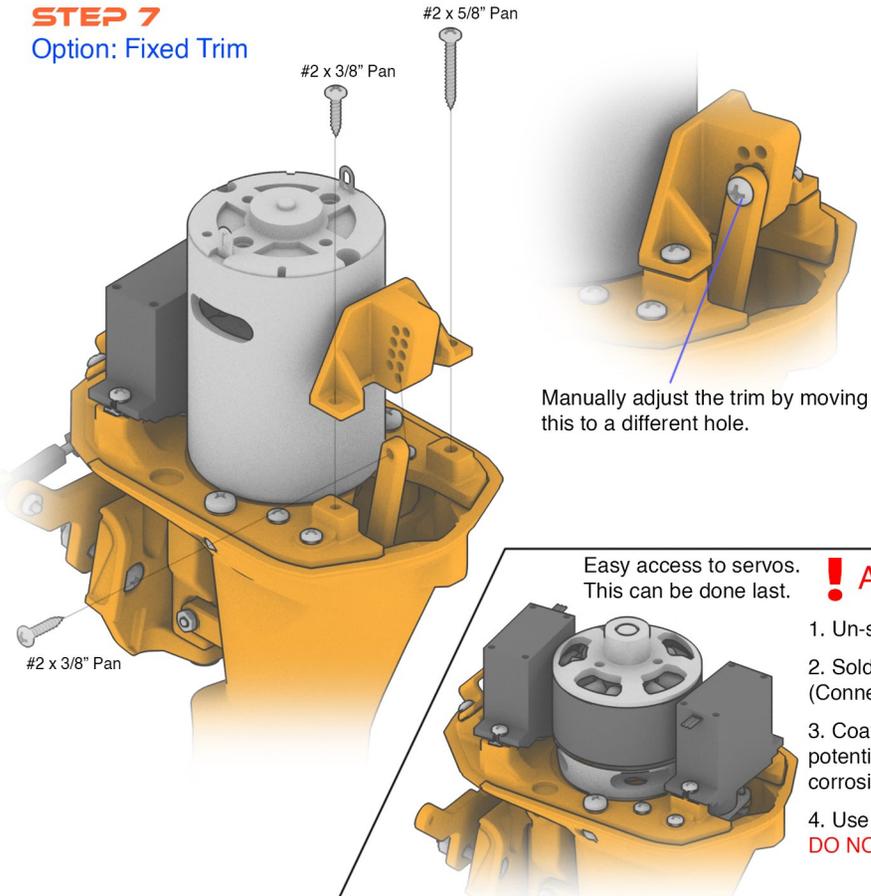
3.



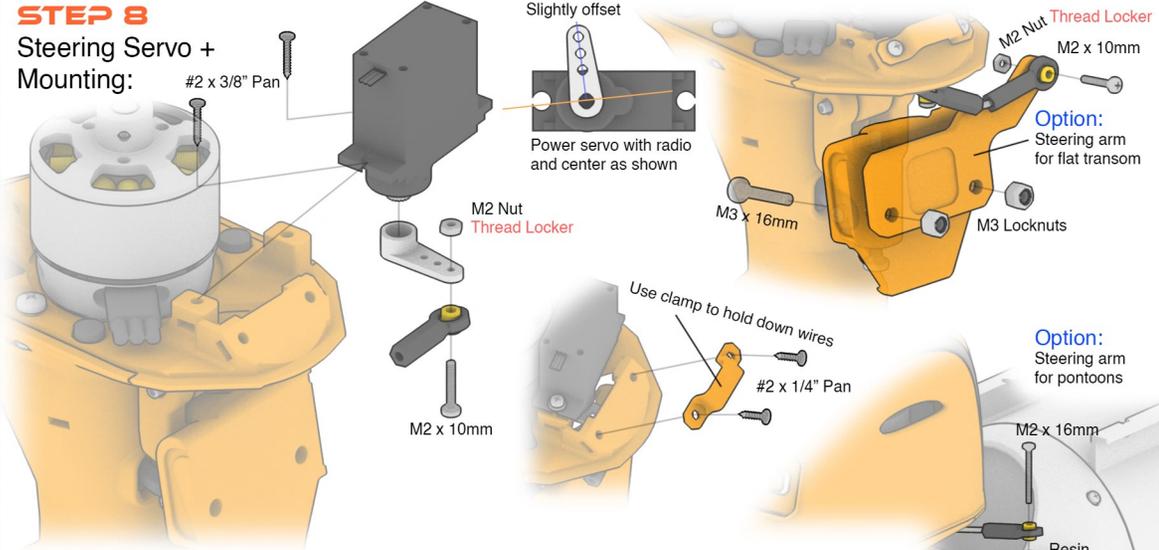
5.



STEP 7 Option: Fixed Trim



STEP 8 Steering Servo + Mounting:



Easy access to servos. This can be done last.

! All micro servos MUST be made waterproof:

1. Un-solder short wires
2. Solder extension wire inside. (Connectors corrode easy.)
3. Coat inside of circuit board and potentiometer with grease, liquid tape or corrosionX.
4. Use a little grease on the servo output. **DO NOT grease the gears (too thick)**

Use grease, liquid tape or corrosionX on just the circuit board

