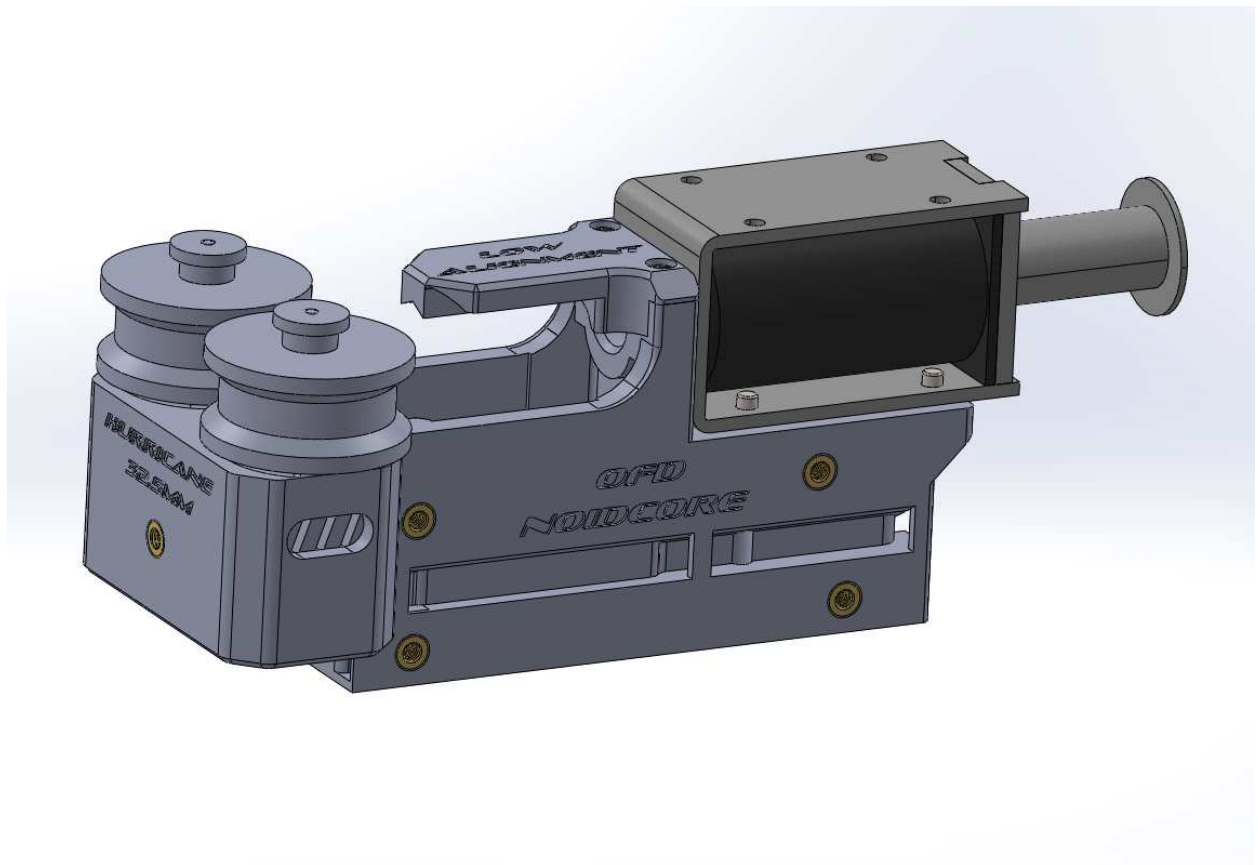


OFD

NOIDCORE



WHAT IS NOIDCORE?

- Noidcore is the OOD x Eli Wu Neutron Solenoid powered version of the popular flycore platform! This allows for native semi-automatic operation, and easy select fire with addition of a micro controller.
- Noidcore is a 90% complete blaster awaiting your new shell, design, or integration! I've done all the work on flywheel spacing, pusher mechanisms, and even a complete magwell with detent or release!
- The goal of Noidcore is to allow designers new and old to focus on creating exciting new designs with a proven flywheel core that's simple to build and has compact geometry to integrate

DETAILS

- Compatible with ANY Flywheel (From FTW to Banned Blasters)
- Straight Noidcore compatible with Talons and Tachi magazines
- Compatible with any 130 profile motor (can fit 132, 180s)
- Experimental top load capability
- Full steps provided to create your own new and exciting blasters!

LICENSING AND PRODUCTION

- Noidcore is licensed under CC-BY-SA-NC:
<https://creativecommons.org/licenses/by-nc-sa/2.0/>
- You have permission to print as many as you like for yourself, and remix the files in any way you like with attribution, but you CANNOT sell files or prints without my permission or coming to an agreement.

HARDWARE LIST

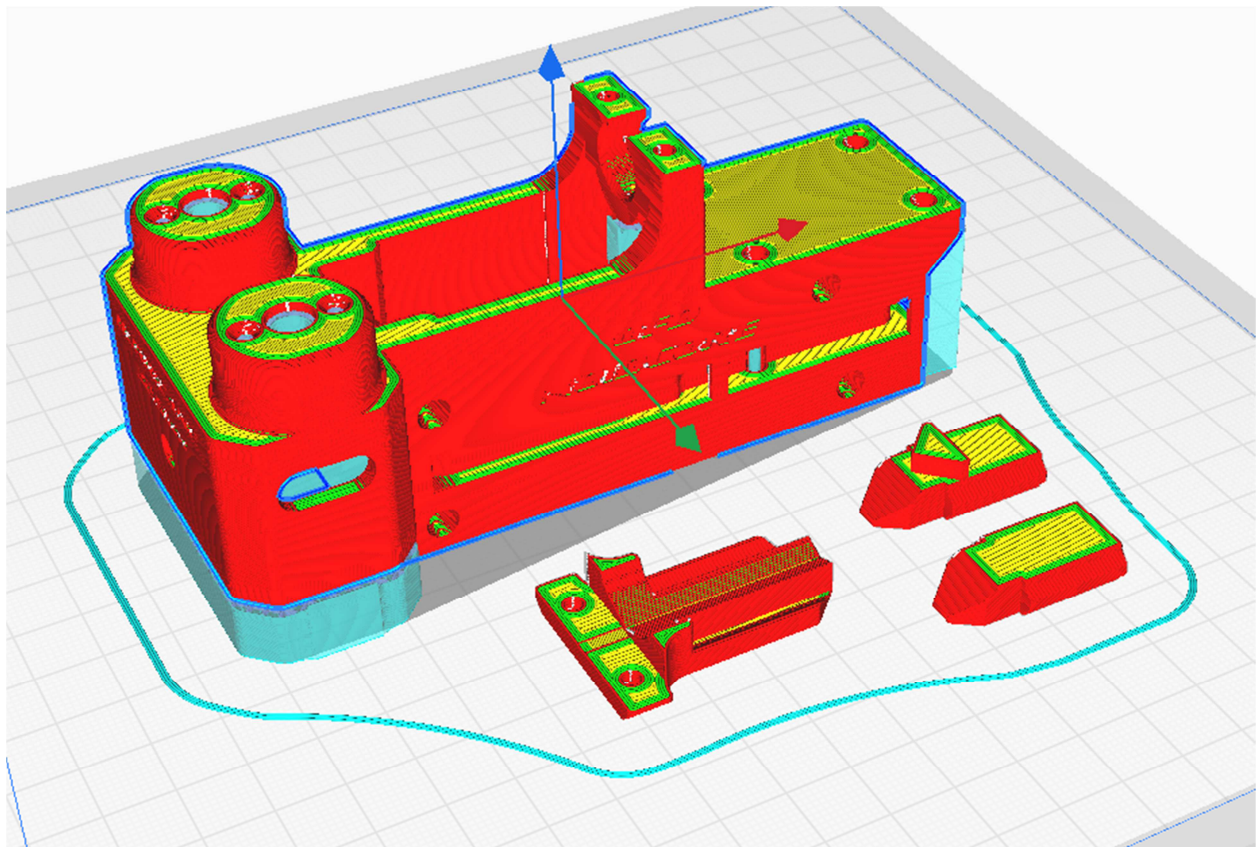
- (2) 130 motors
- (1) OOD x Eli Wu Neutron solenoid
- (1) 1n4001 Diode – optional but recommended
- (4) m2x5mm motor screws
- (4) m3x8mm socket head cap screws
- (8-9) M3 x 5mm diameter x 6mm deep heat set inserts (longer ones may not work)
- (2) M2.6x10mm toy screws
- (1) Spring 20mm in length less than 7mm in diameter for mag release (Recommend McMaster 9657K297 Trimmed to ~20-22mm)

WHAT SHOULD I PRINT?

- Nightingale – 19.5mm-20mm crush
- Smaller Baby Banshee – 19.8mm crush
- FTW/Night Owl/Baby Banshee wheels – 22-23mm crush
- Spartan wheels – 23.5mm crush
- Hurricane/Pulsar – 32.5-33.5mm crush
- Full size wheels – 39.5-43mm crush
- Banned Blasters – 40mm crush
- Pusher guides: I recommend low-aligned pusher guides

PRINT ORIENTATION

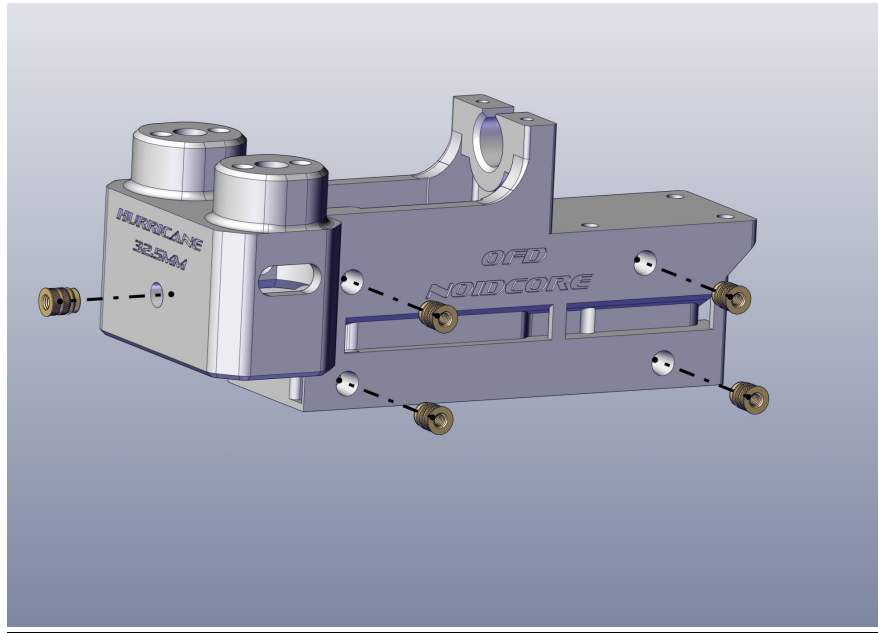
- Supported Pieces (from build plate): Core
- **OPTIONAL:** If you have good bridging performance, you can print with only the motor cage supported – rear/internal under solenoid is designed to be bridged
- Recommended Print settings (ALL): at least 3 perimeters, 15% infill, PETG Core if you're using motors that get hot. Brim optional.



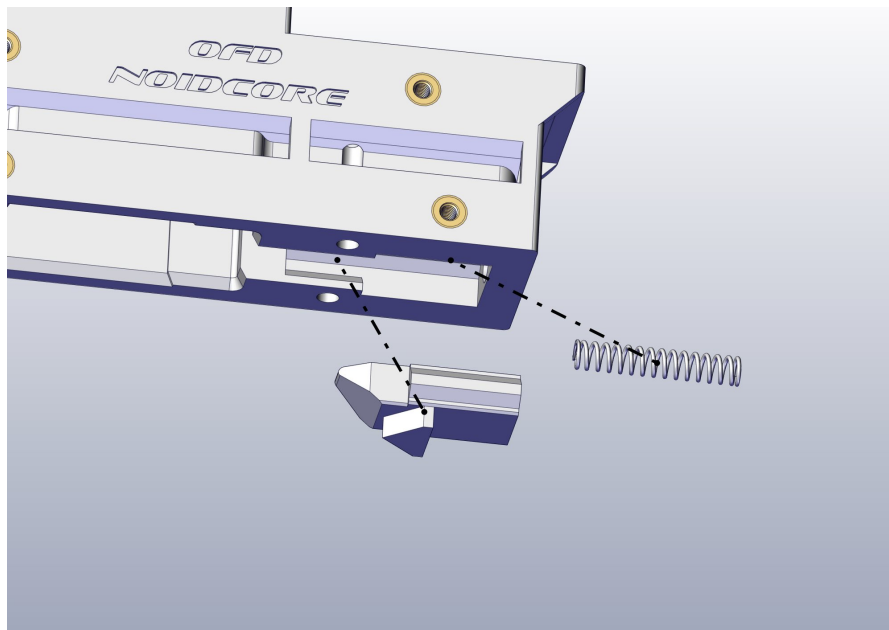
ASSEMBLY

Step 1: Install heat sets

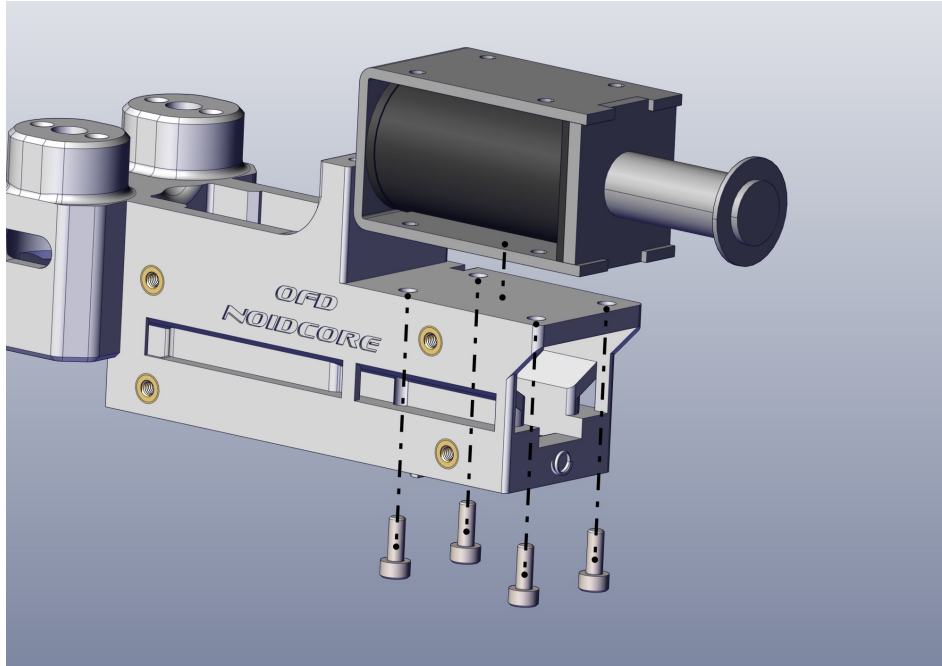
TIP: Trim off any flashing inside and outside the core to prevent installation issues



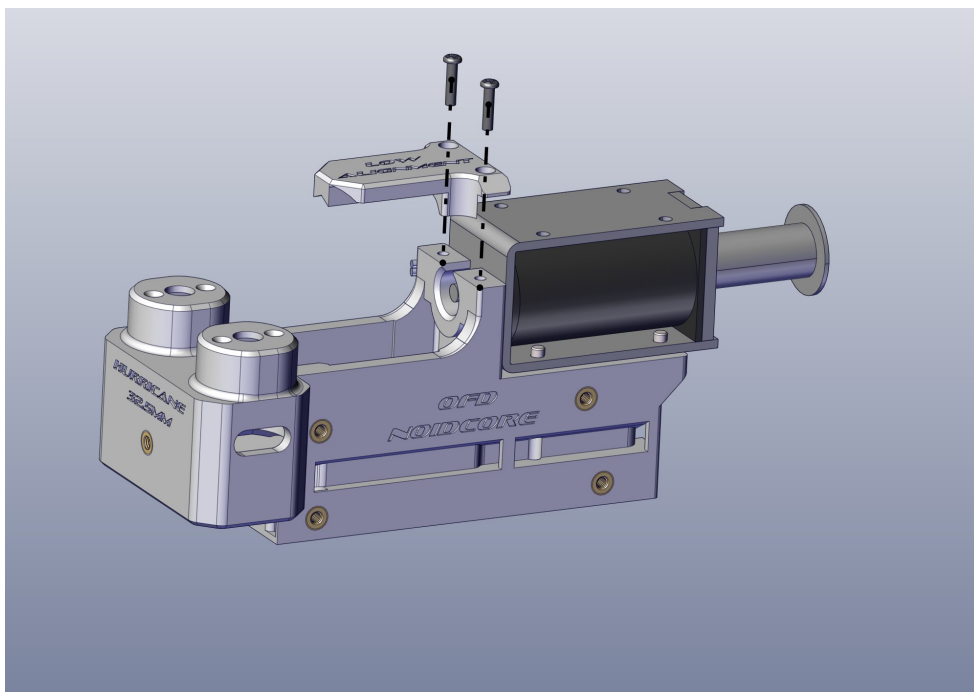
Step 2: Detent/release and spring



Step 3: Install solenoid w/ M3x8mm, there are clearance holes on the bottom to pass an allen key through to reach the forward mounting holes! **Please ensure pusher nut is tight, these can fly off if they are loose and feed through your flywheels!**

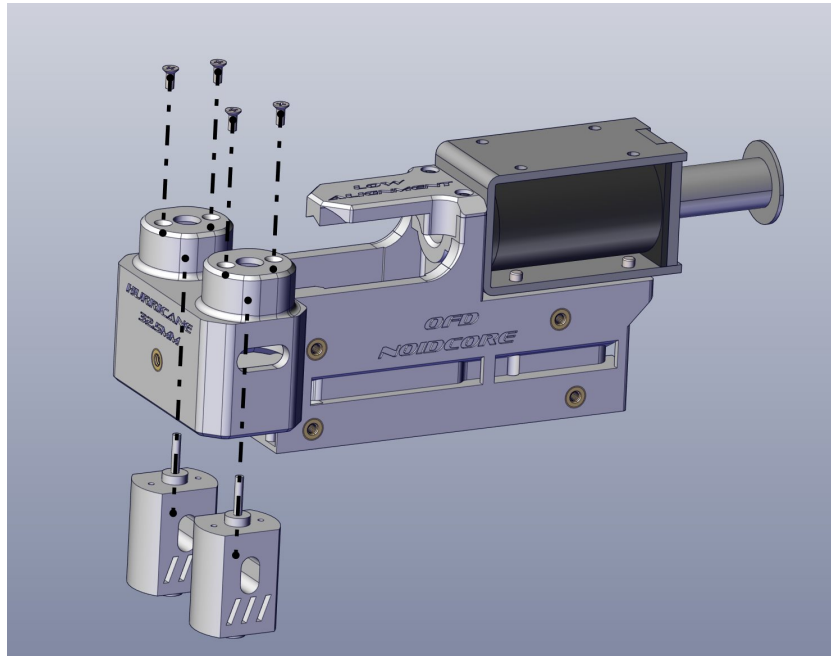


Step 4: Install pusher guide w/ (2) M2.6x10mm toy screws



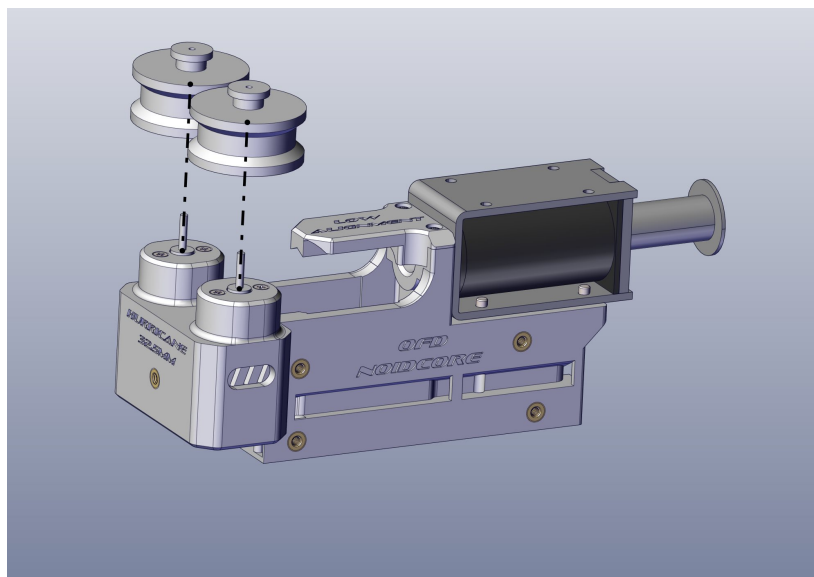
Step 5: Install motors w/ (4) M2x4-5mm screws

TIP: Please use Loctite, and I prefer using silicone motor dampers for quieter operation.



Step 6: Install Flywheels

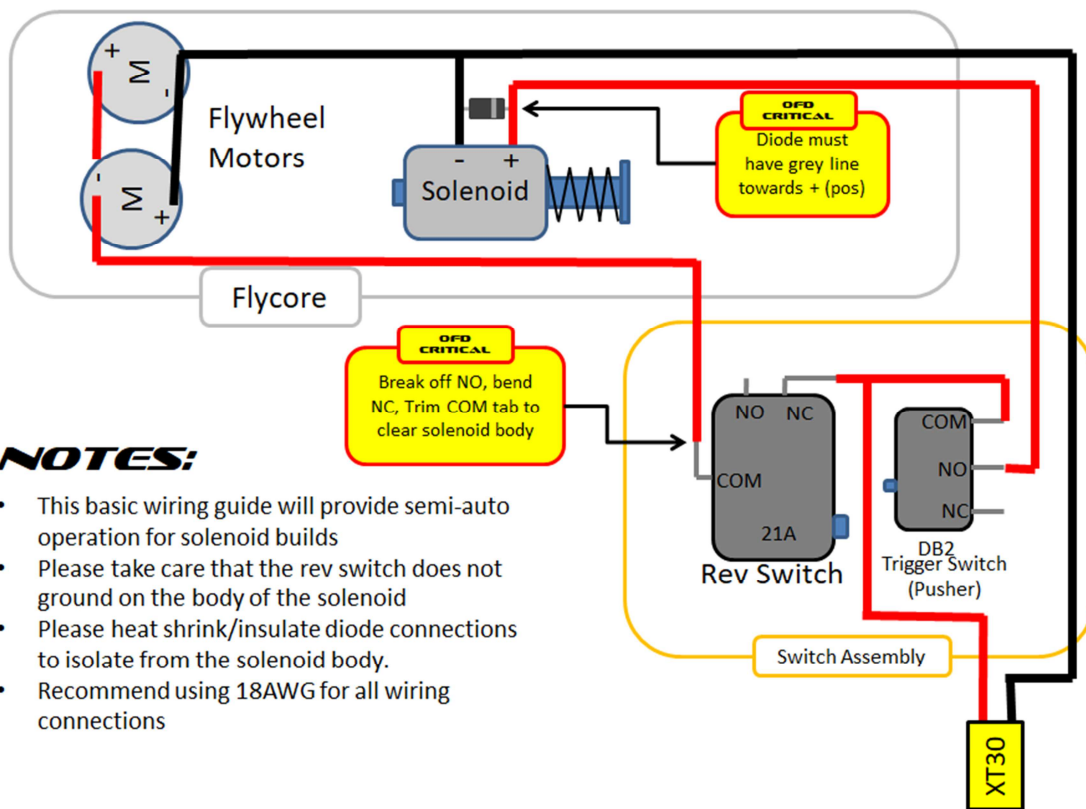
TIP: Can use flywheel installation spacers included in fileset – which spacer will depend on dart guide and wheel selection



WIRING GUIDELINES

- Included is a wiring diagram used for Anoid Meowser – this is to serve as general wiring guidance for solenoid builds.
- Solenoid does not have specific polarity – this is user defined, once you have chosen a polarity, mark the negative wire with a sharpie to remember!
- I always include a diode to mitigate flyback – the one I use is 1N4001 – readily available on amazon. Solder this diode between the pos/negative leaves you have determined, and heat shrink well!
- Grey stripe MUST go towards positive (+) lead

OFD ANOID MEOWSER WIRING



FAQ

- What solenoid does this use? Can I use any solenoid?
 - a) This core is designed to use the 26mm travel OOD x Eli Wu Neutron solenoid due to its excellent performance and size!
- I have more questions, or my questions aren't listed here!
 - a) No worries! Feel free to reach out to me on Etsy, or my discord: ag04#6231