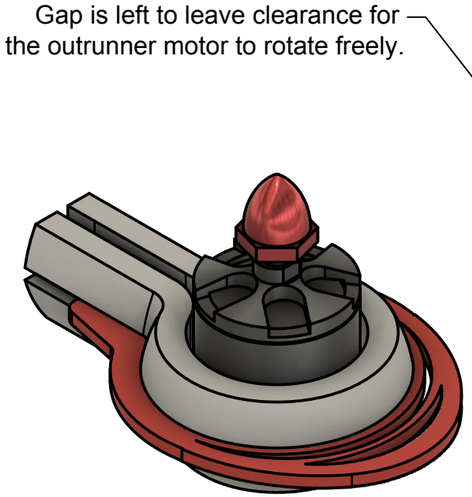
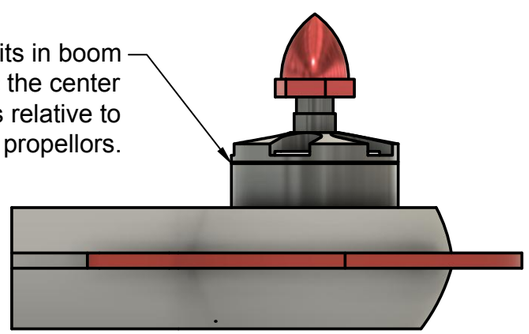
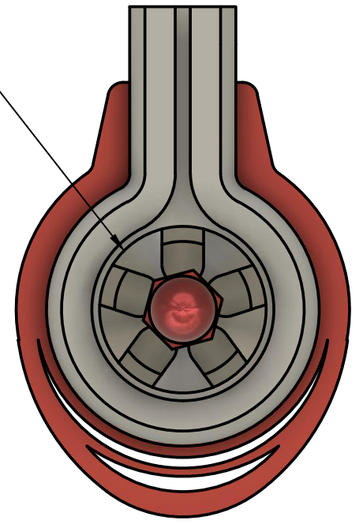
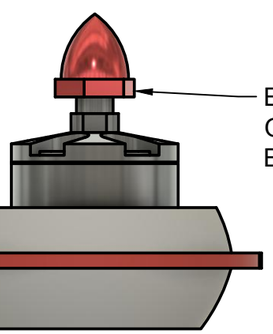


Motor sits in boom to raise the center of mass relative to propellors.

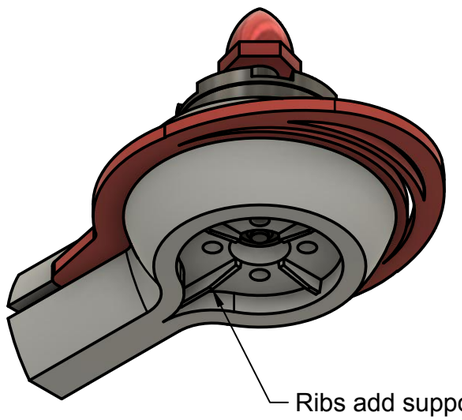




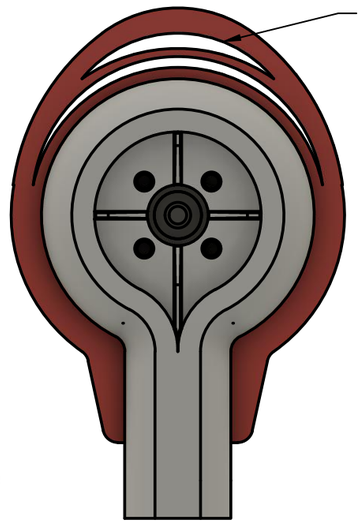
Gap is left to leave clearance for the outrunner motor to rotate freely.



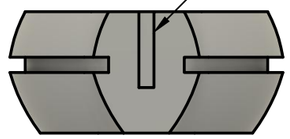
EMAXX 2213 Outrunner Brushless Motor



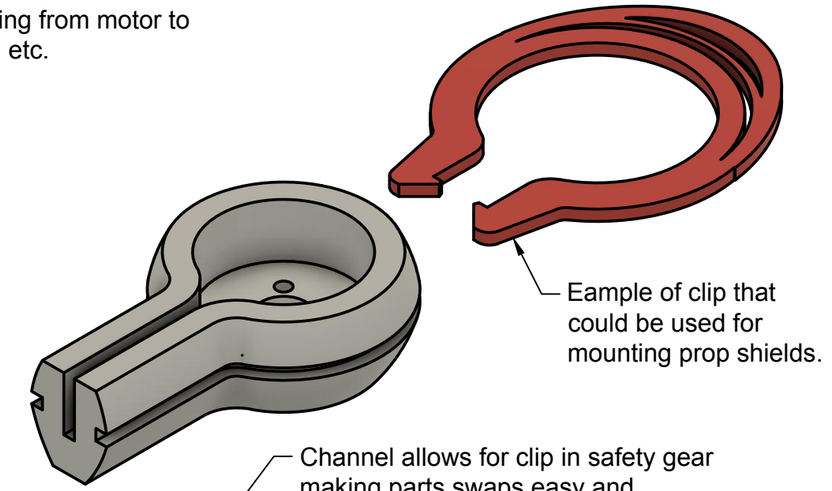
Ribs add support for motor mounting while leaving space for hardware.



Relief cuts allow matierial to spring around motor mount and "click" in place.



Gap is left to allow wire routing from motor to esc, etc.



Eample of clip that could be used for mounting prop shields.

Hole leaves space for bearings and motor shaft to spring freely.

Channel allows for clip in safety gear making parts swaps easy and efficient.

Hole locks clips in place.

THE STOC MACHINE

PROJECT

STOC Machine Drone 2017

TITLE

Motor mount design for EMAXX 2213 and modular prop shields.

APPROVED		SIZE	CODE	DWG NO	REV
CHECKED		B			
DRAWN	Isaiah Scharen 10/21/17	SCALE 1:1	WEIGHT	SHEET 1/1	