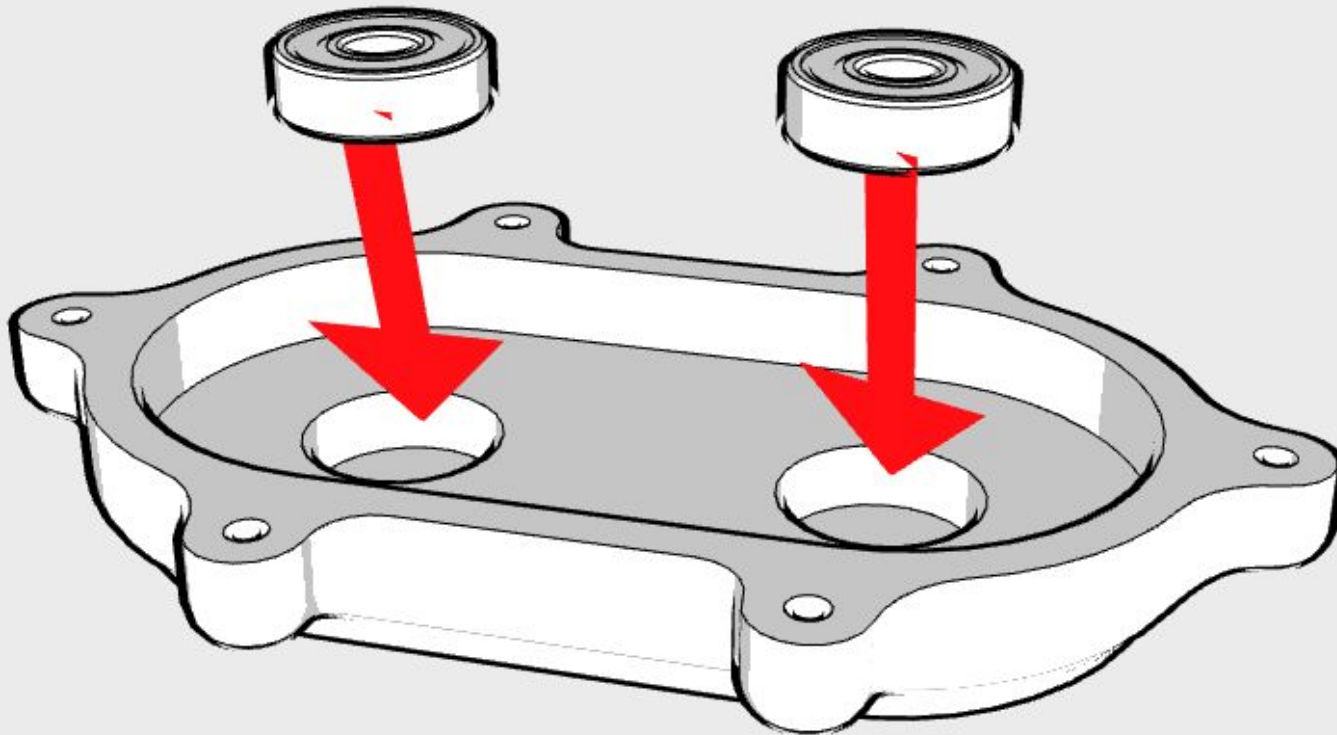


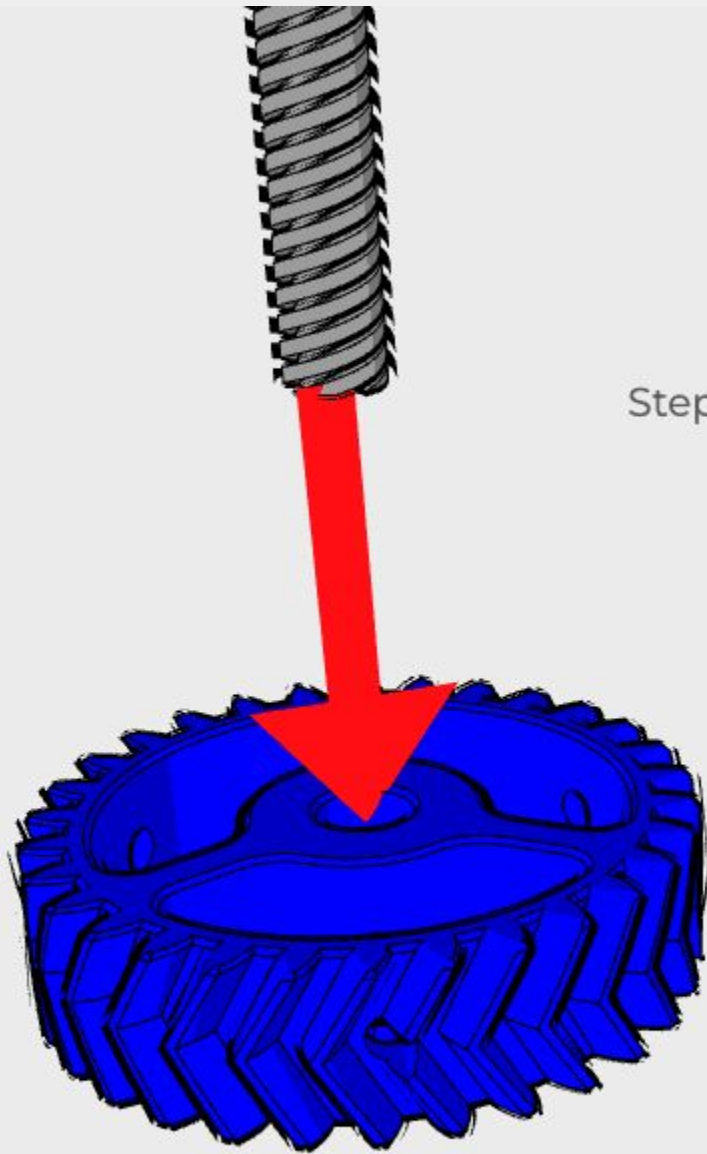
S.P.A.R.K.

An exploded view diagram of a motor assembly. The main motor housing is shown in a semi-transparent grey, with the word 'MOTO' printed on its side and 'TOP' on the upper section. A green cylindrical component, labeled 'LINEAR', is positioned above the motor. A grey cylindrical component is also visible. A red gear is mounted on the motor's shaft, and a blue gear is shown to its right. An orange nut is positioned on a threaded shaft. A small brass-colored component is located between the gears. At the bottom, a clear plastic base is shown with several black screws. The background is a dark blue gradient with several light blue circles of varying sizes.

Assembly Guide

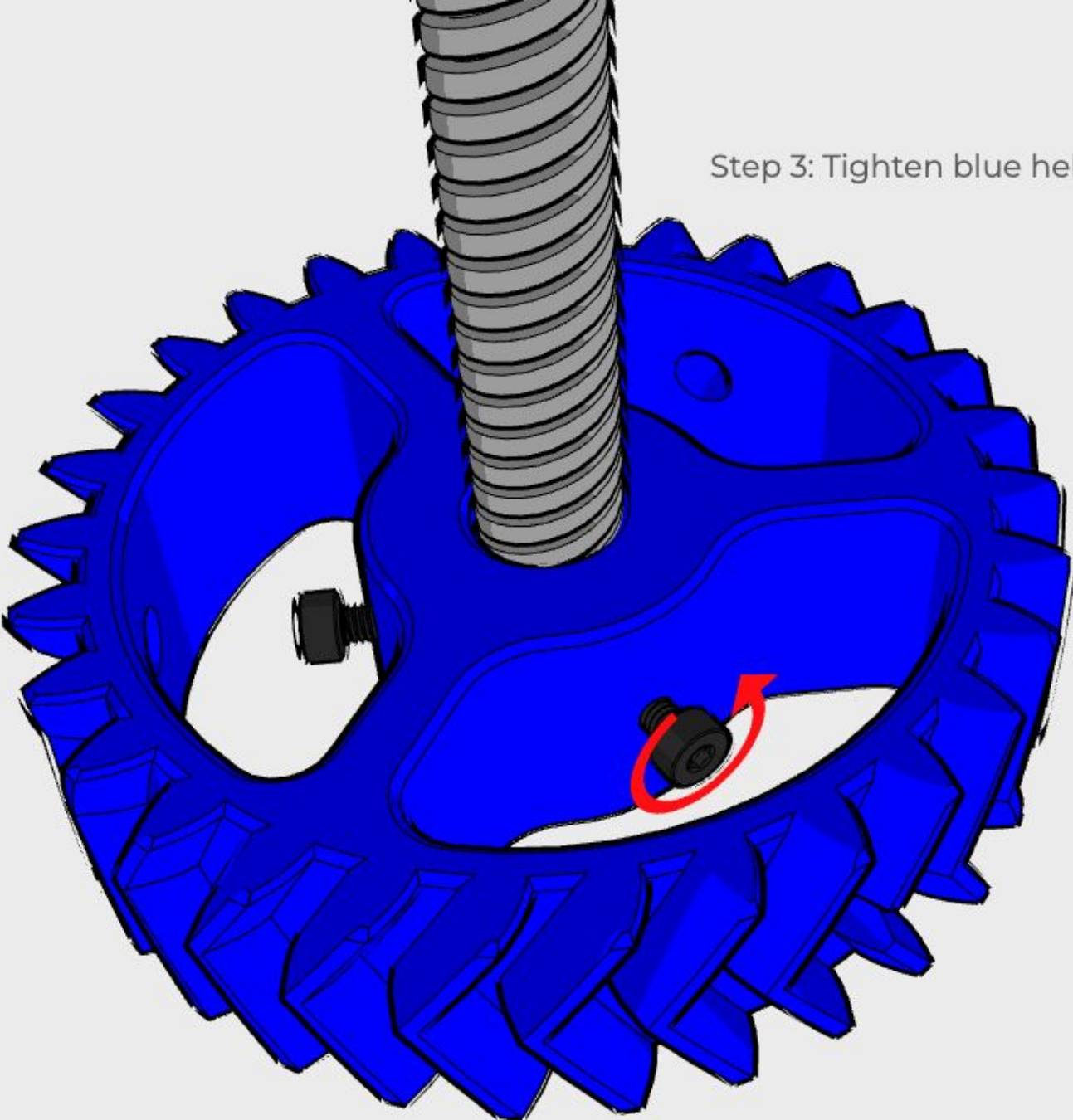
Step 1: Insert bearings into bottom housing holes

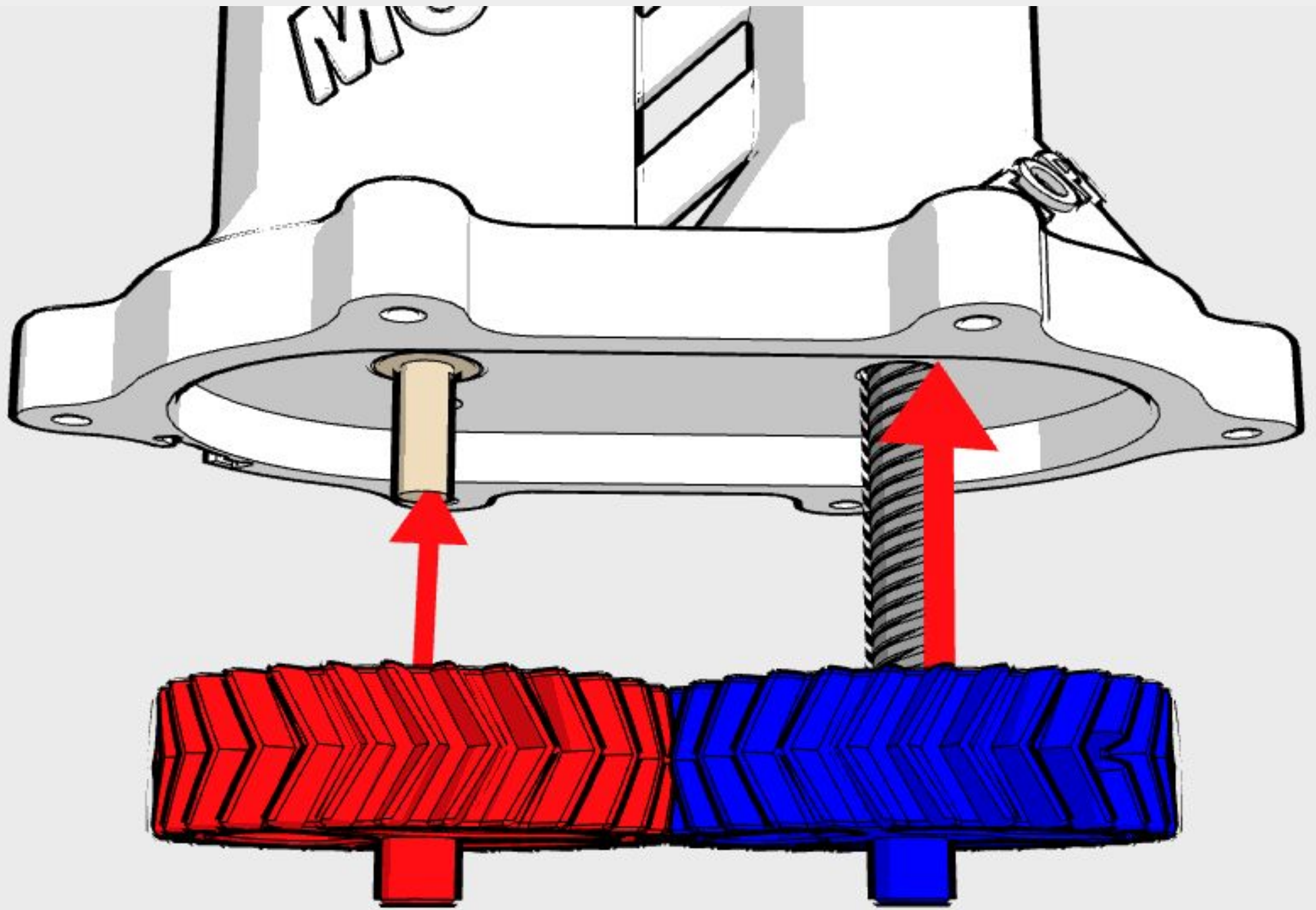




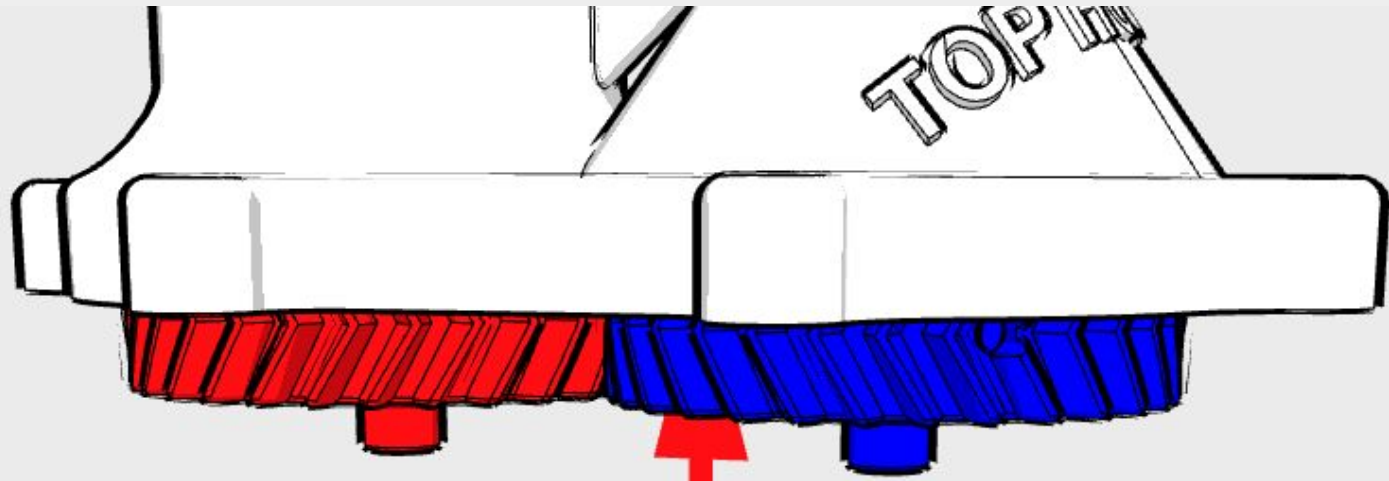
Step 2: Insert Lead Screw into Blue Helical Gear

Step 3: Tighten blue helical gear screws

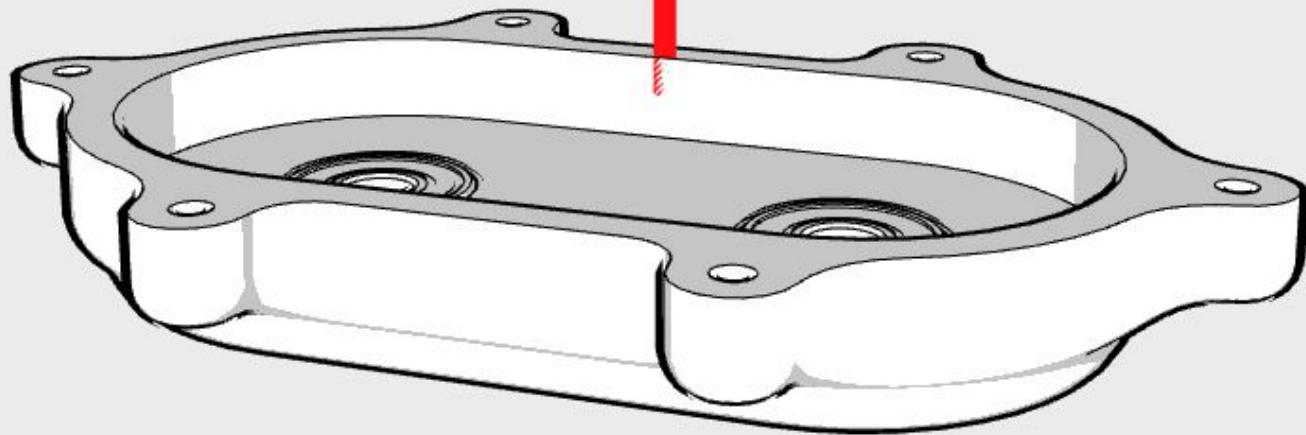


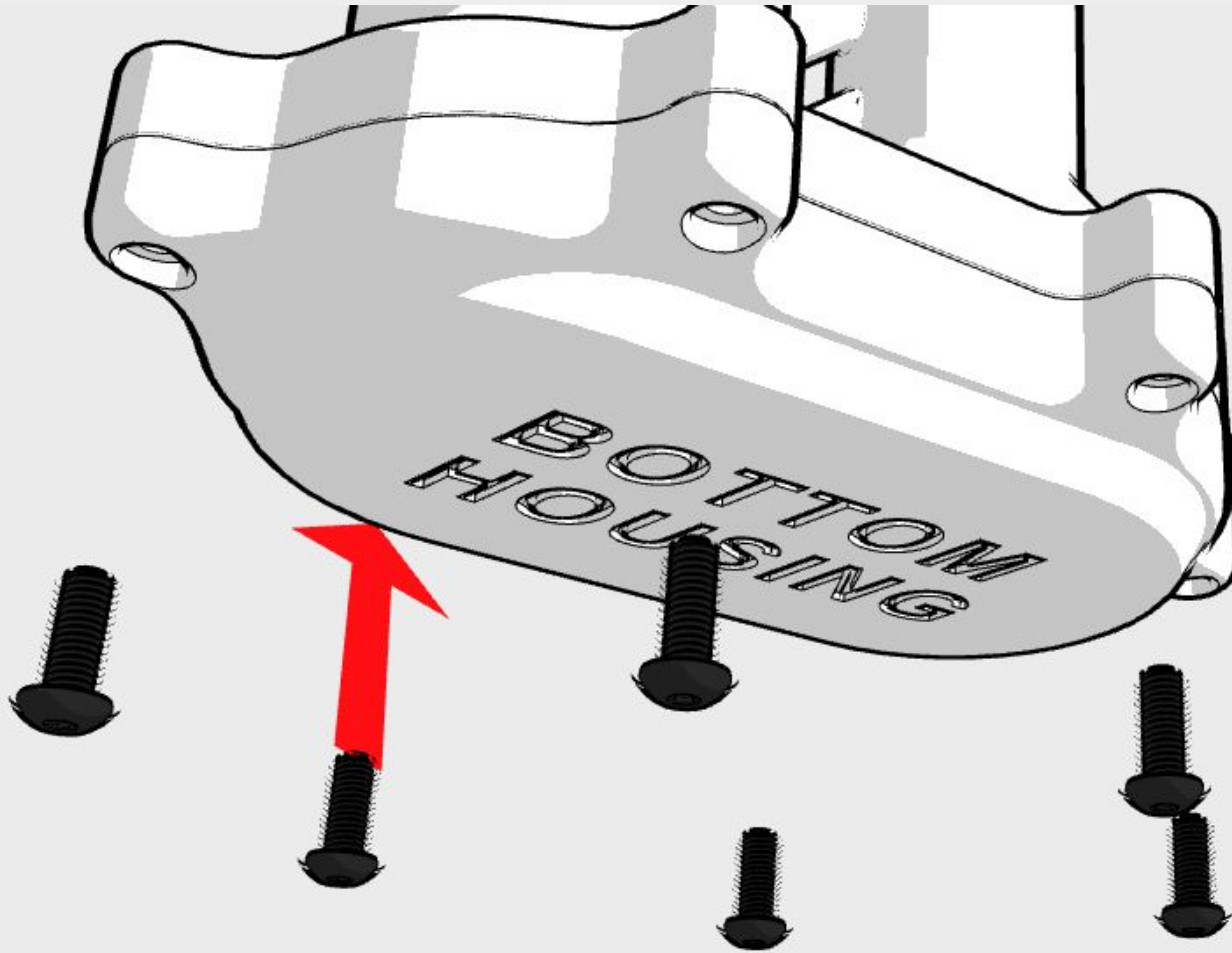


Step 4: Insert red helical gear onto motor shaft. Also insert blue helical gear into corresponding hole

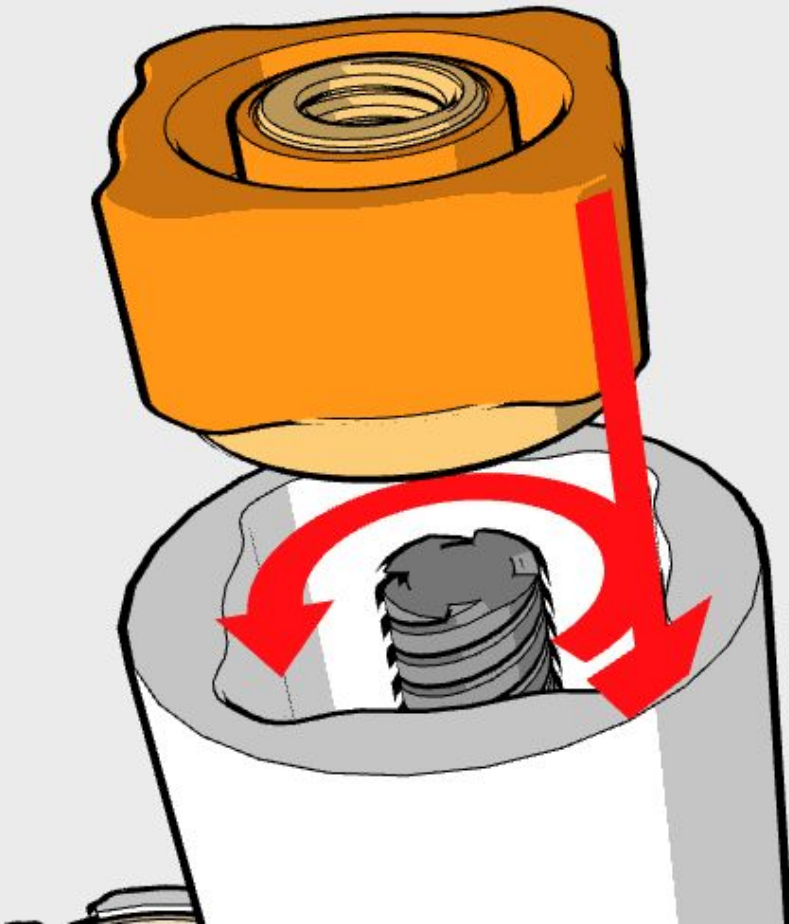


Step 5: Snap bottom housing onto top housing, ensuring gear/bearing alignment.

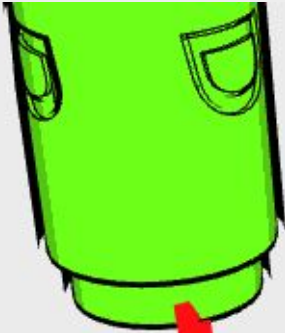




Step 6: Insert screws into bottom housing and tighten.



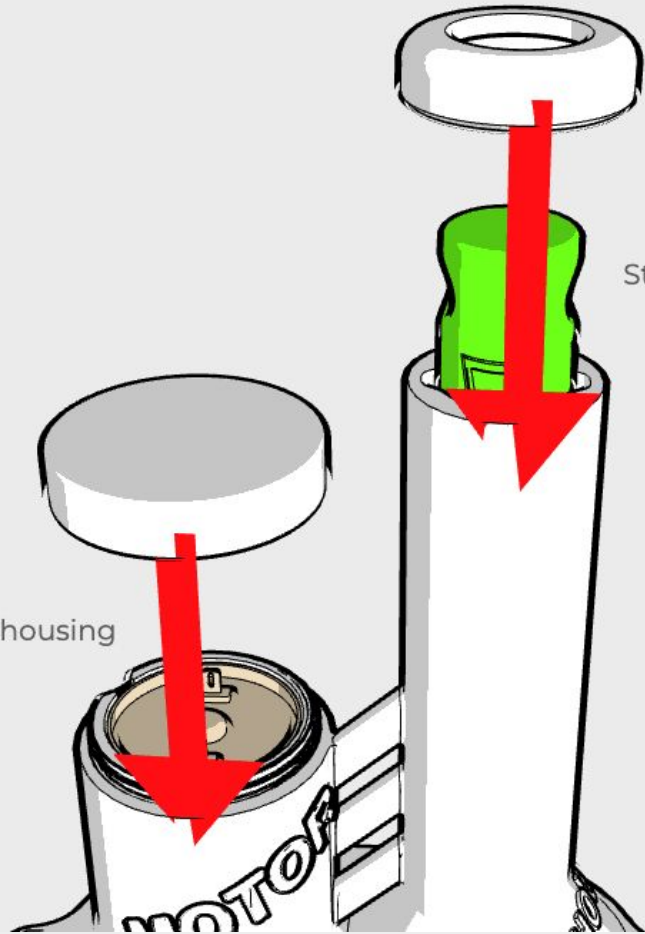
Step 7: Turn on motor, and align/press the lead screw coupler onto the lead screw.



Step 8: Press fit linear rod onto lead screw coupler



Step 9: Screw motor cap onto top housing



Step 10: Press fit rod cap onto top housing

**Congratulations! You have
completed project S.P.A.R.K.**

