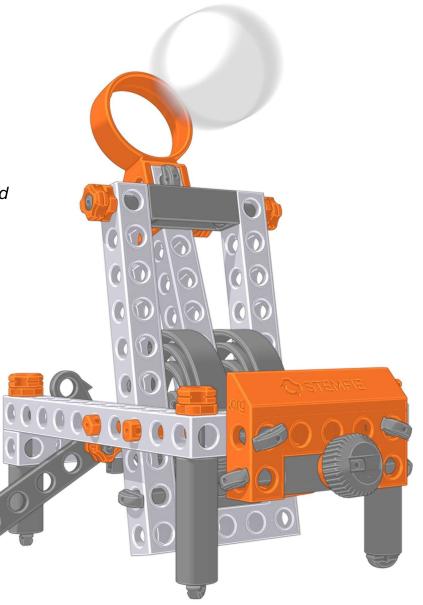
STEMFIE® Desktop Catapult Kit

Assembly Instructions

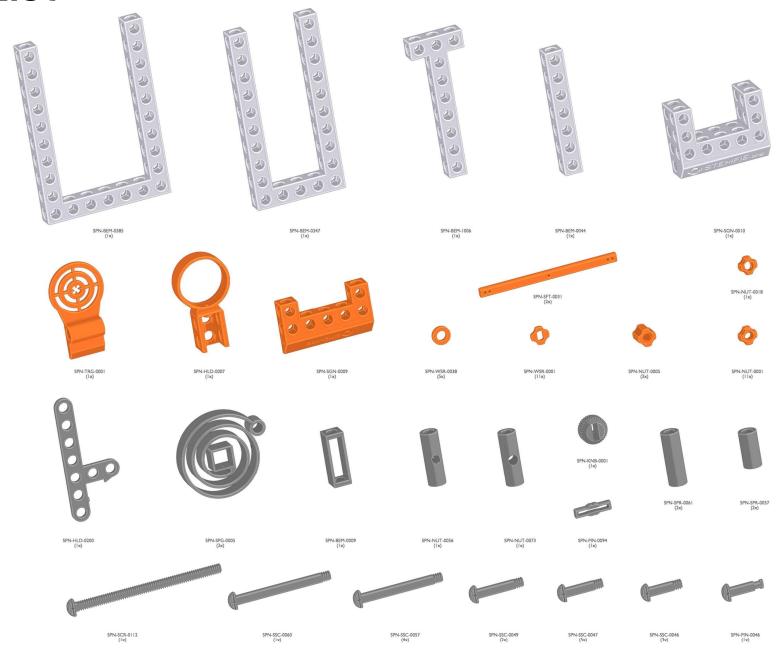
Designed by The STEMFIE Project Printed by Edelberg Designs, LLC

These assembly instructions are adapted from the assembly photos provided by the STEMFIE project



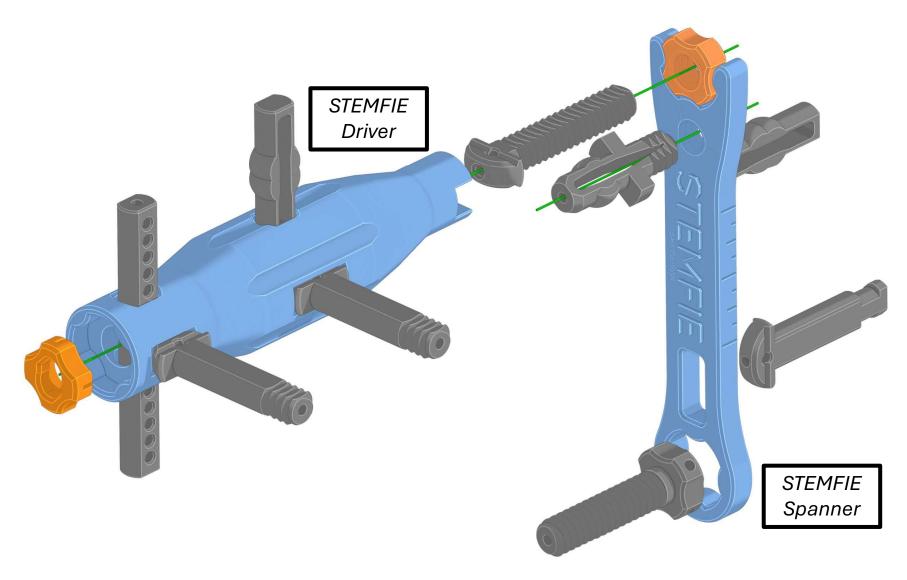


Part List



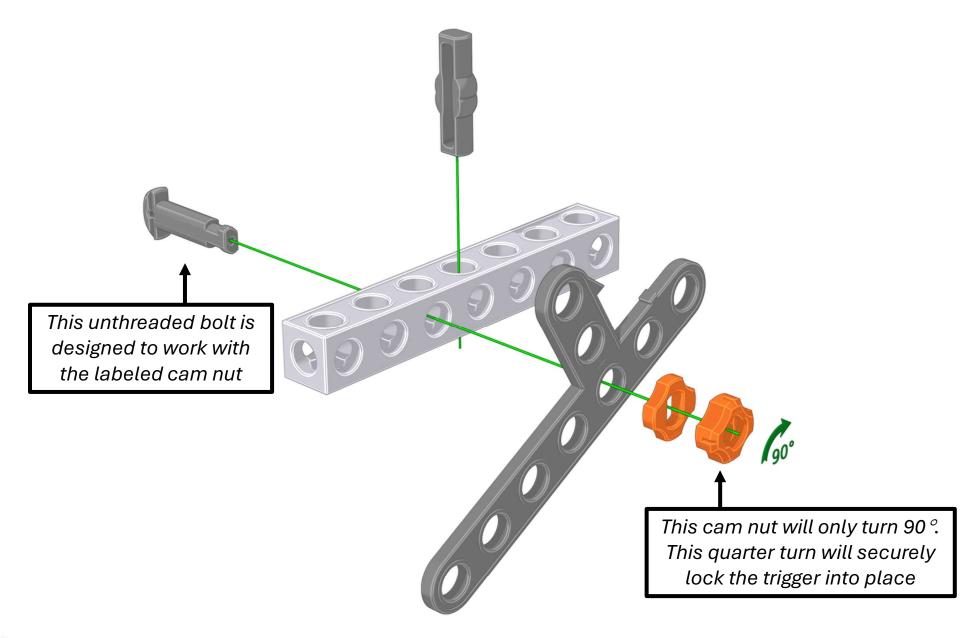


How to use STEMFIE Assembly Tools



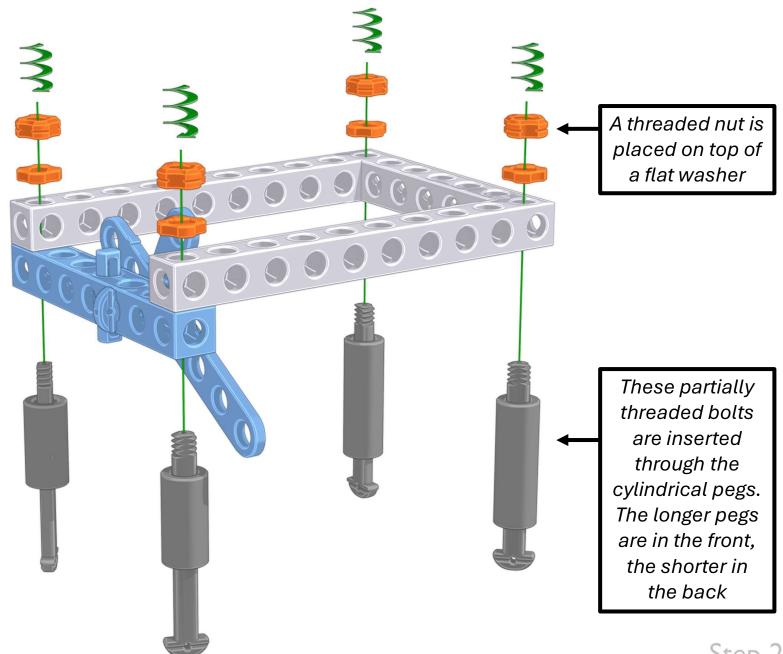
STEMFIE Tools

Step 1 – Trigger Assembly



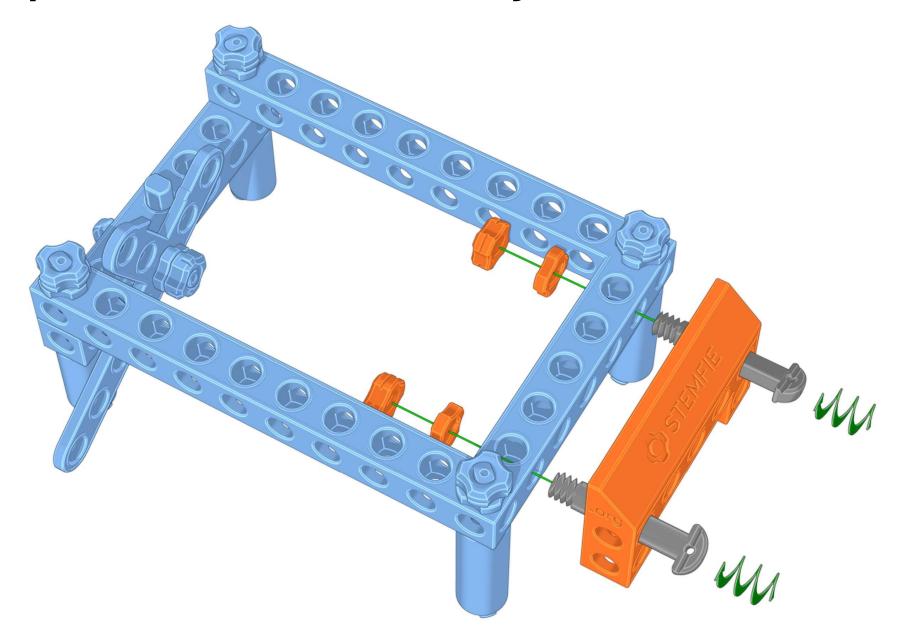


Step 2 – Frame Assembly



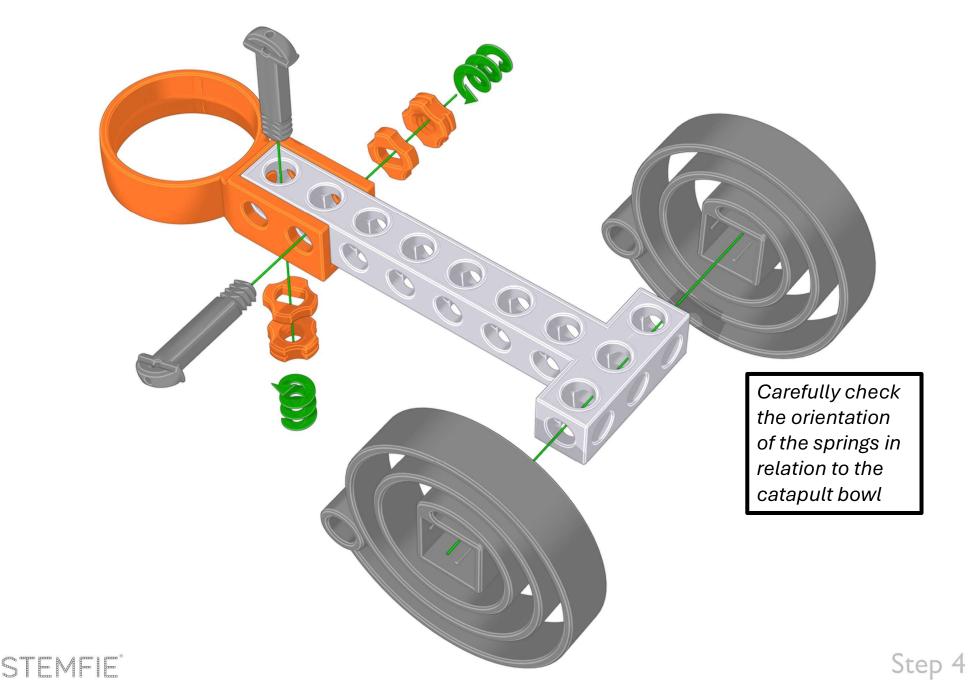


Step 3 – Front Plate Assembly

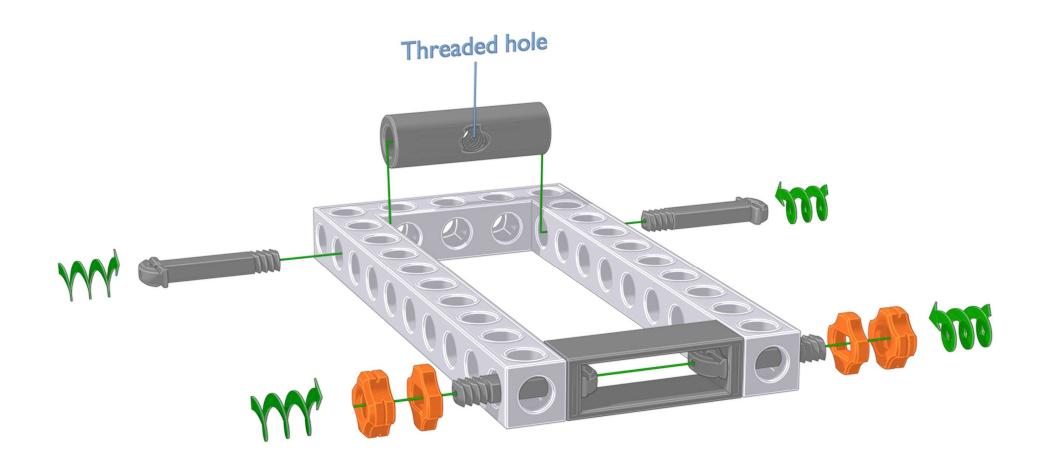




Step 4 - Catapult Arm Assembly

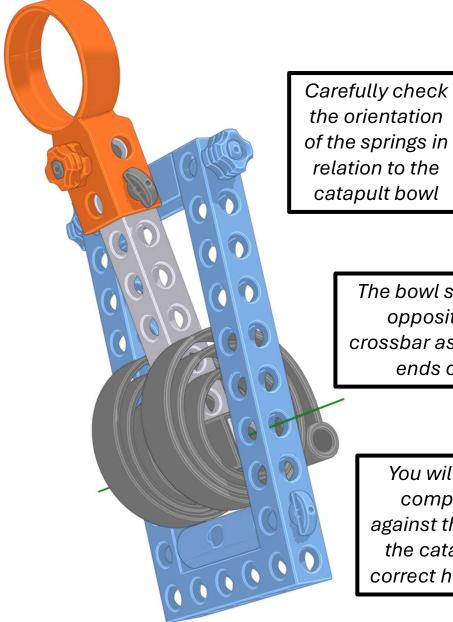


Step 5 - Crossbar Assembly





Step 6 - Crossbar-Catapult Arm Preparation

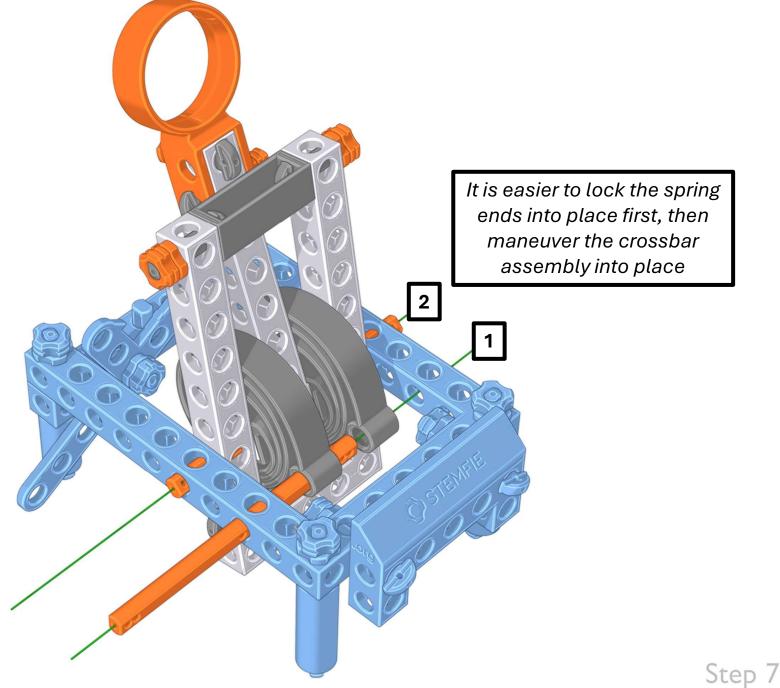


The bowl should be on the opposite side of the crossbar assembly from the ends of the spring

You will need to partially compress the springs against the crossbar to align the catapult arm with the correct hole on the crossbar

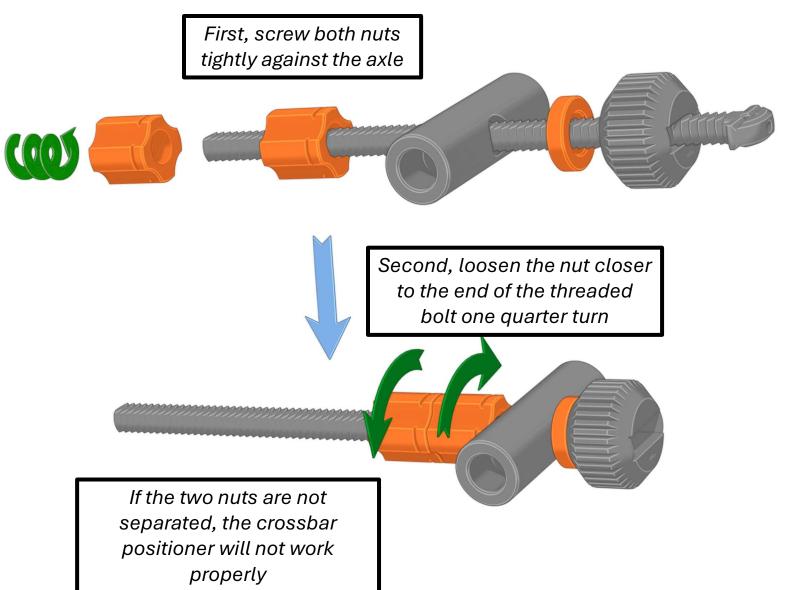


Step 7 – Connecting the body and mechanical components



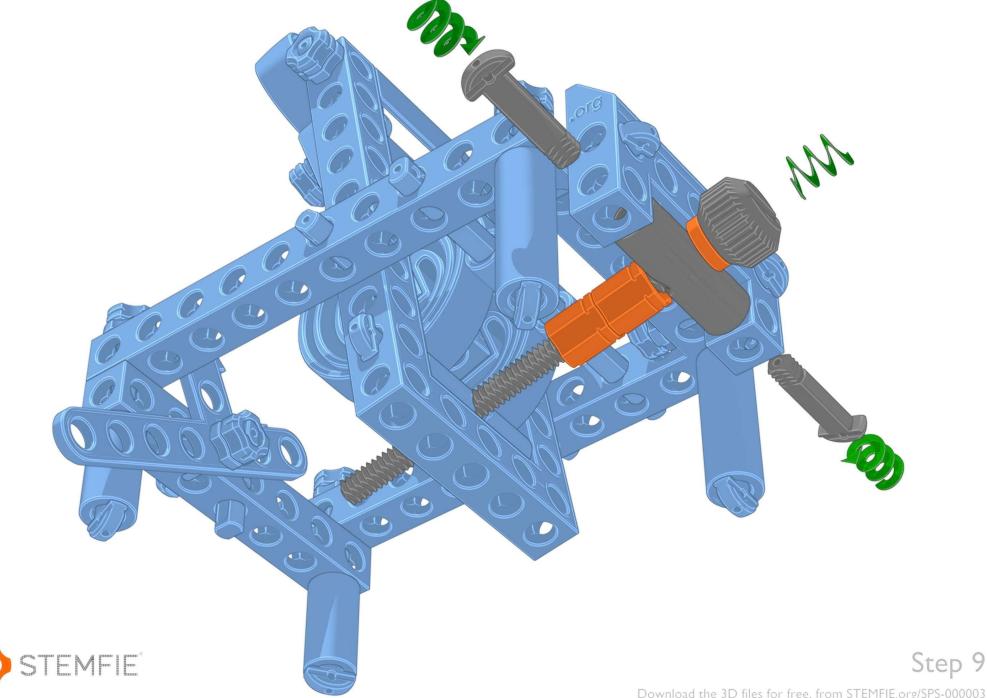


Step 8 – Crossbar Positioner Assembly

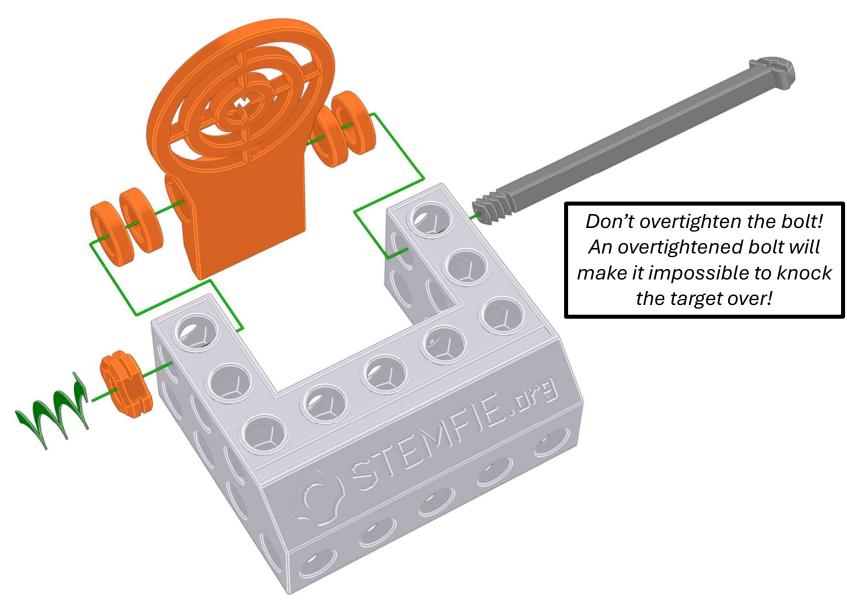




Step 9 – Adding the Crossbar Positioner



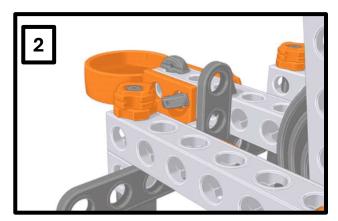
Step 10 – Target Assembly



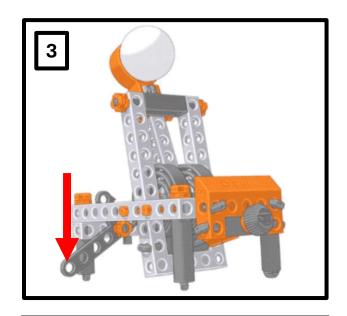


Operating the Catapult

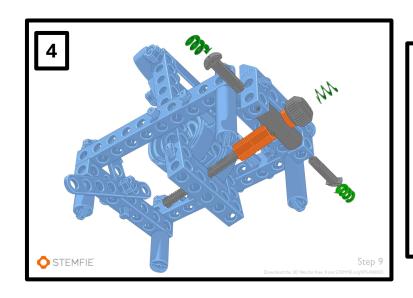




Hold the front orange part of the catapult and pull the catapult arm down towards the trigger



Press down on the trigger to launch the catapult! Watch your fingers!!



Experiment with the position of the crossbar by turning the crossbar positioner bolt

This will change how far the catapult arm rotates before releasing the ping-pong ball!