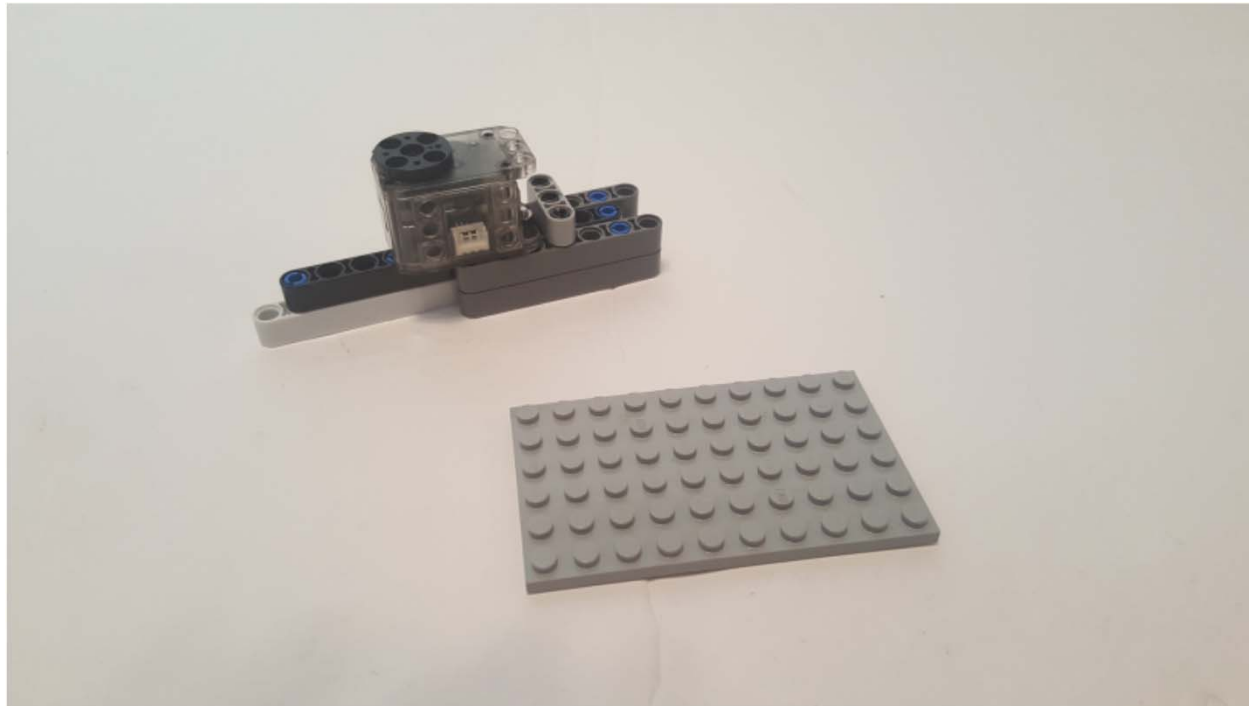


Dynamixel XL-320 Servo Mount for Lego

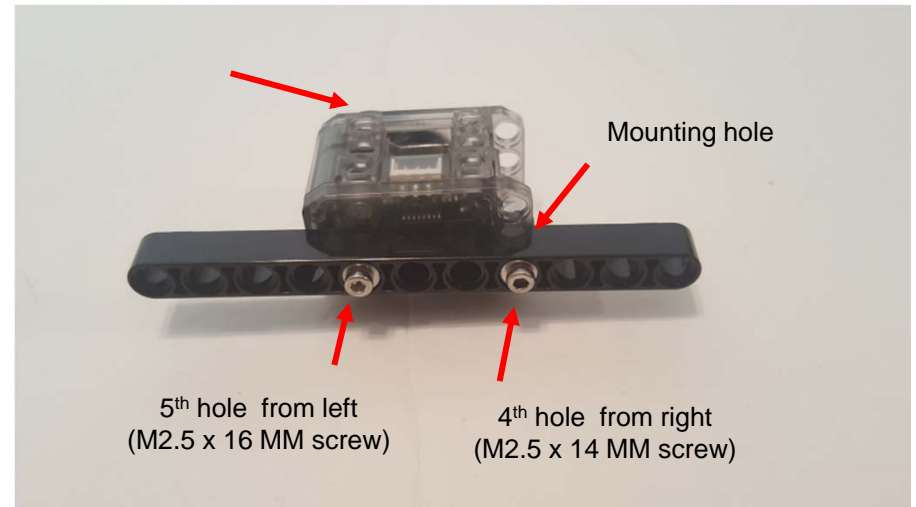
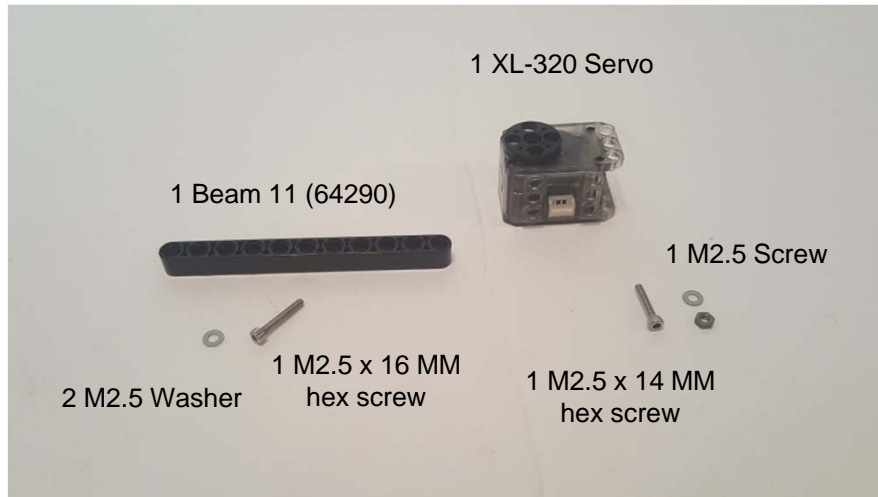
Preamble: The Dynamixel XL-320 servo is both light-weight and physically small. It has sufficient torque and a joint encoder to prototype manipulators. Moreover, it has mounting holes that can secure to Lego pieces with M2.5 fasteners

Objective: Construct Lego-based servo mount for XL-320 as seen below

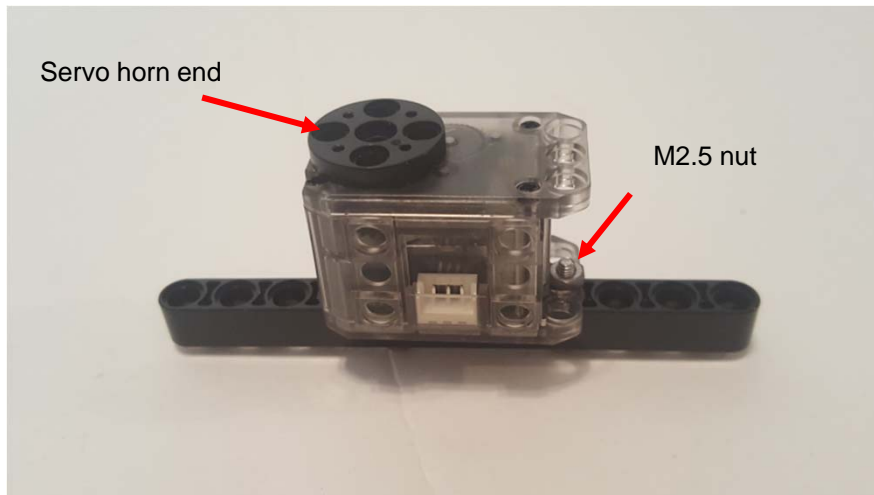


XL-320 Lego-based Motor Mount

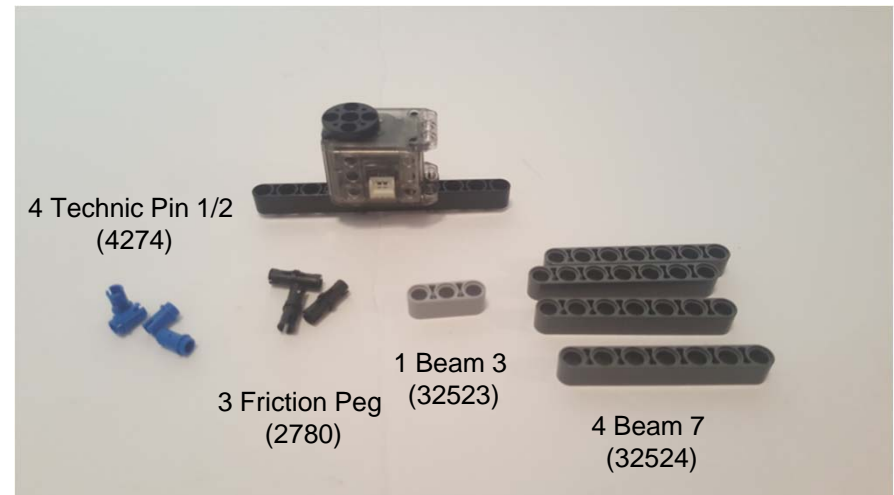
Step 1: Servo Beam Sub-Assembly



1B: Secure M2.5 screw thru washers as shown. See 1C for fastening nut



1C: Secure M2.5 nut from "1B"



1D: Gather parts

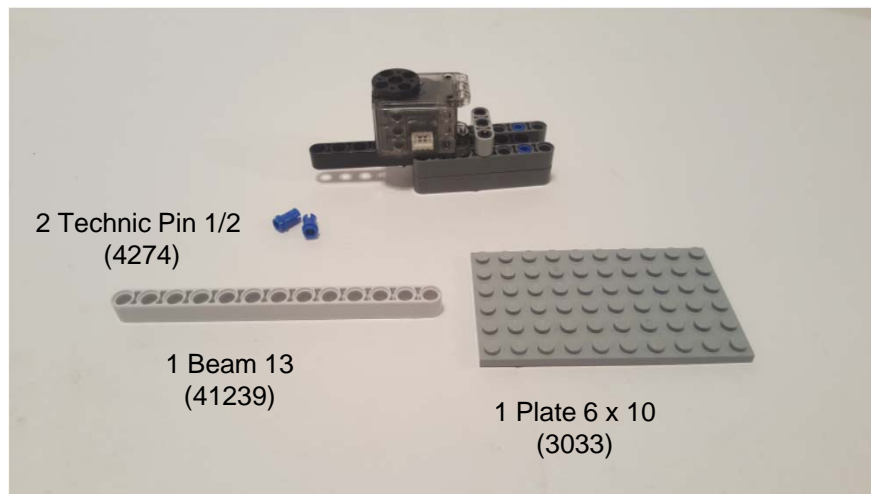
Step 2: Base Arms Sub-Assembly



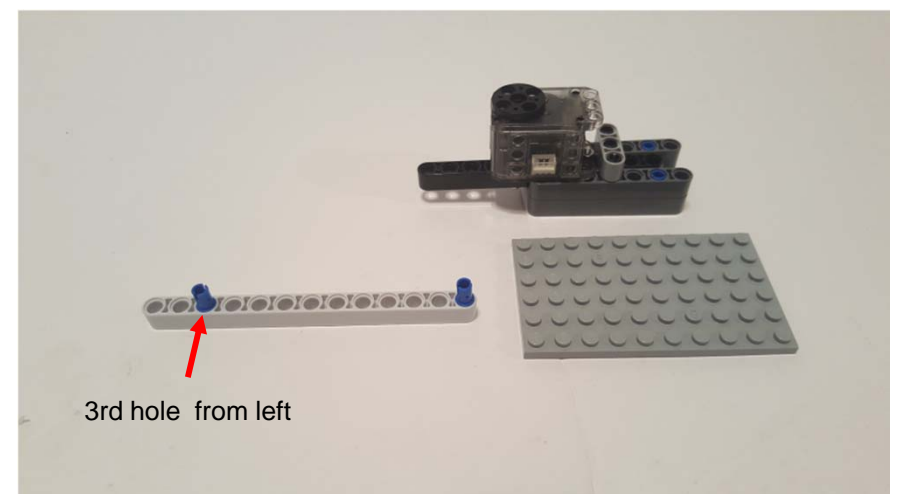
2A: Insert friction pegs in Beam 3. Insert Pin 1/2 in both Beam 7s.



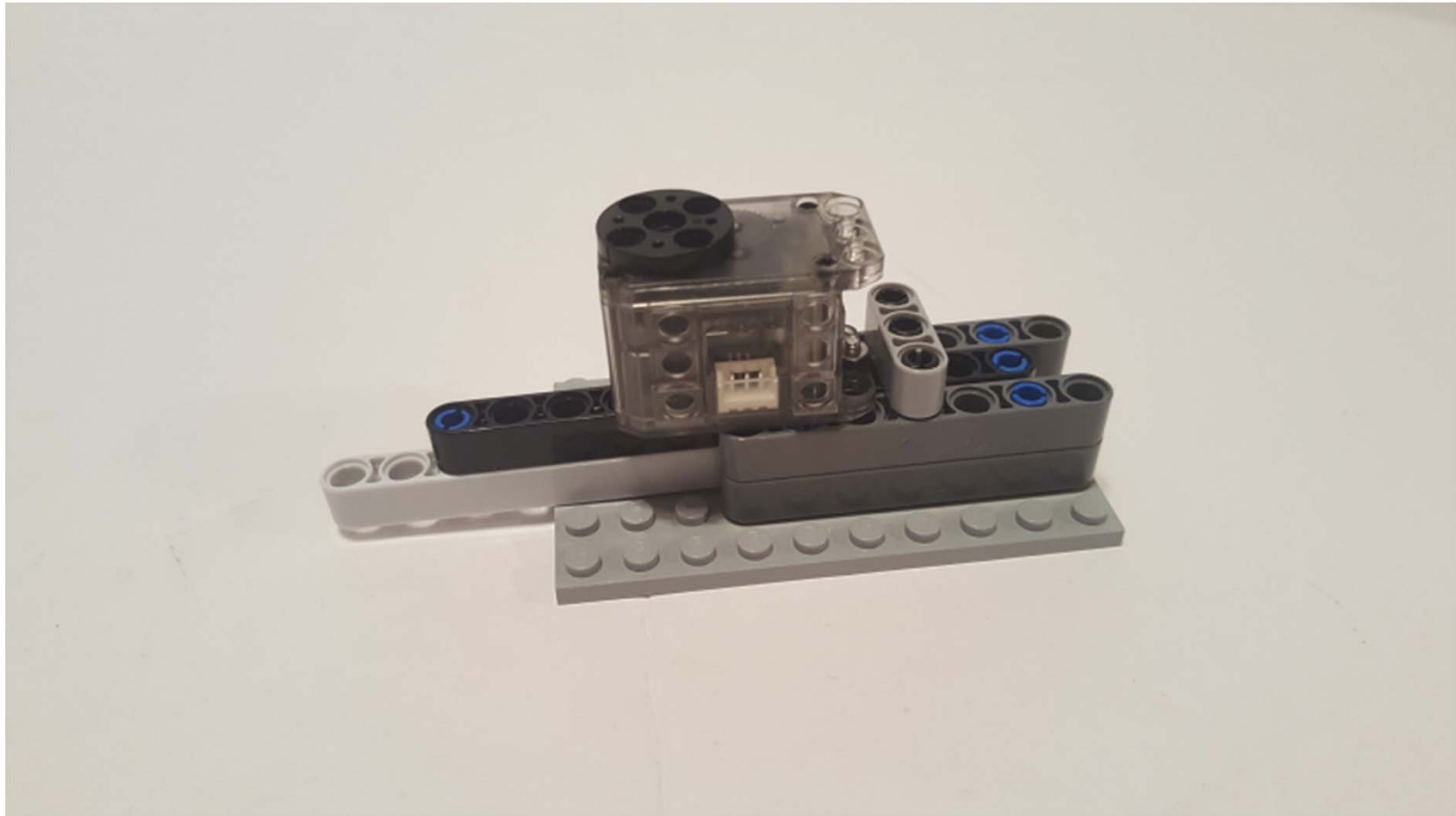
2B: Align two Beam 7s beneath motor and secure to Beam 3



2C: Gather parts



2D: Insert Pin 1/2 into Beam 13 as shown



Congratulations! Completed XL-320 Lego-based Motor Mount