

Assembly Instructions for BIOSPACE

Biophotonic Imaging Optical Spectral Polarimetric Angular Compact Equipment

by Hampus Månefjord and Mikkel Brydegaard

Department of Physics, Lund University

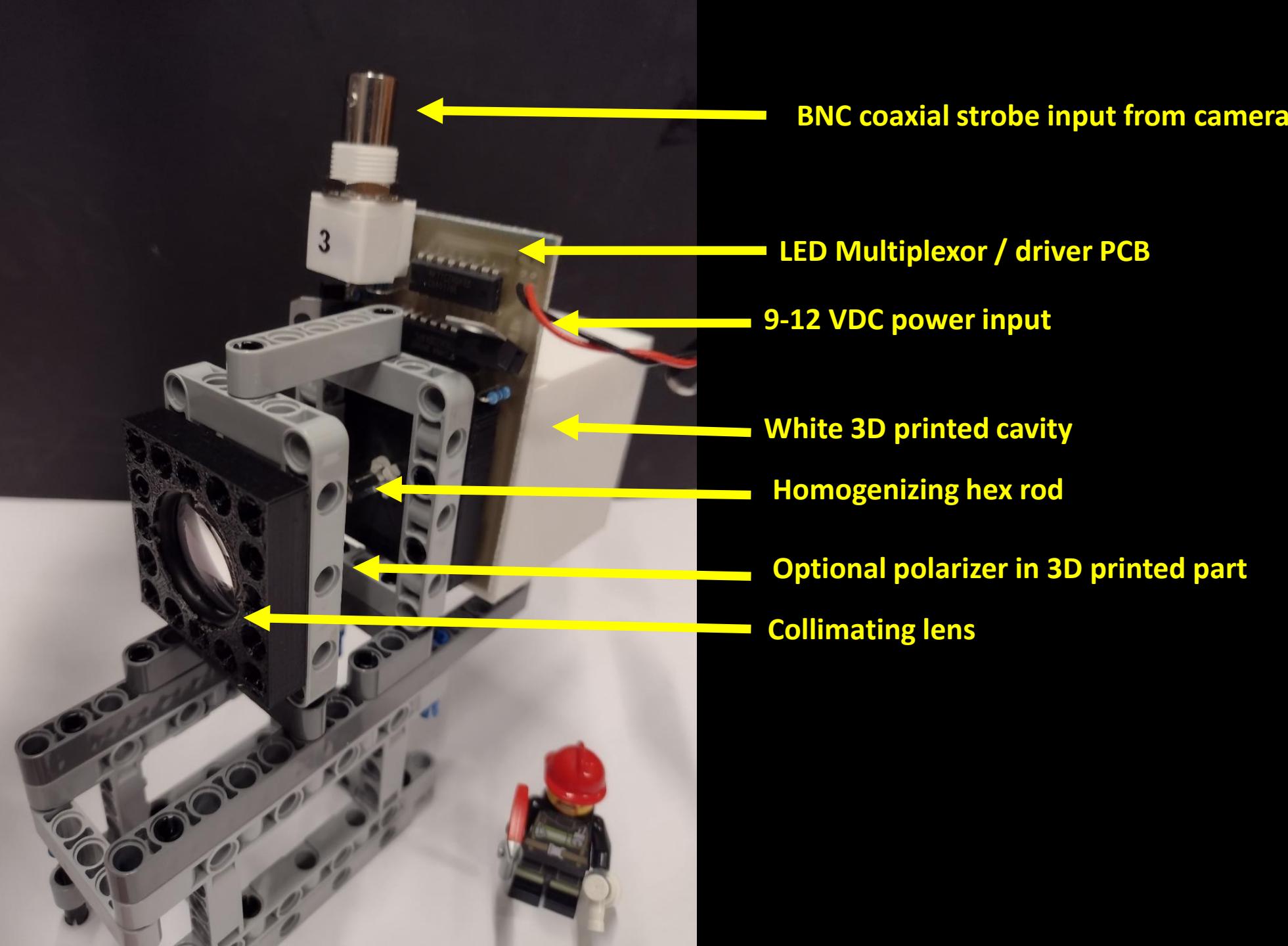


LUND
UNIVERSITY

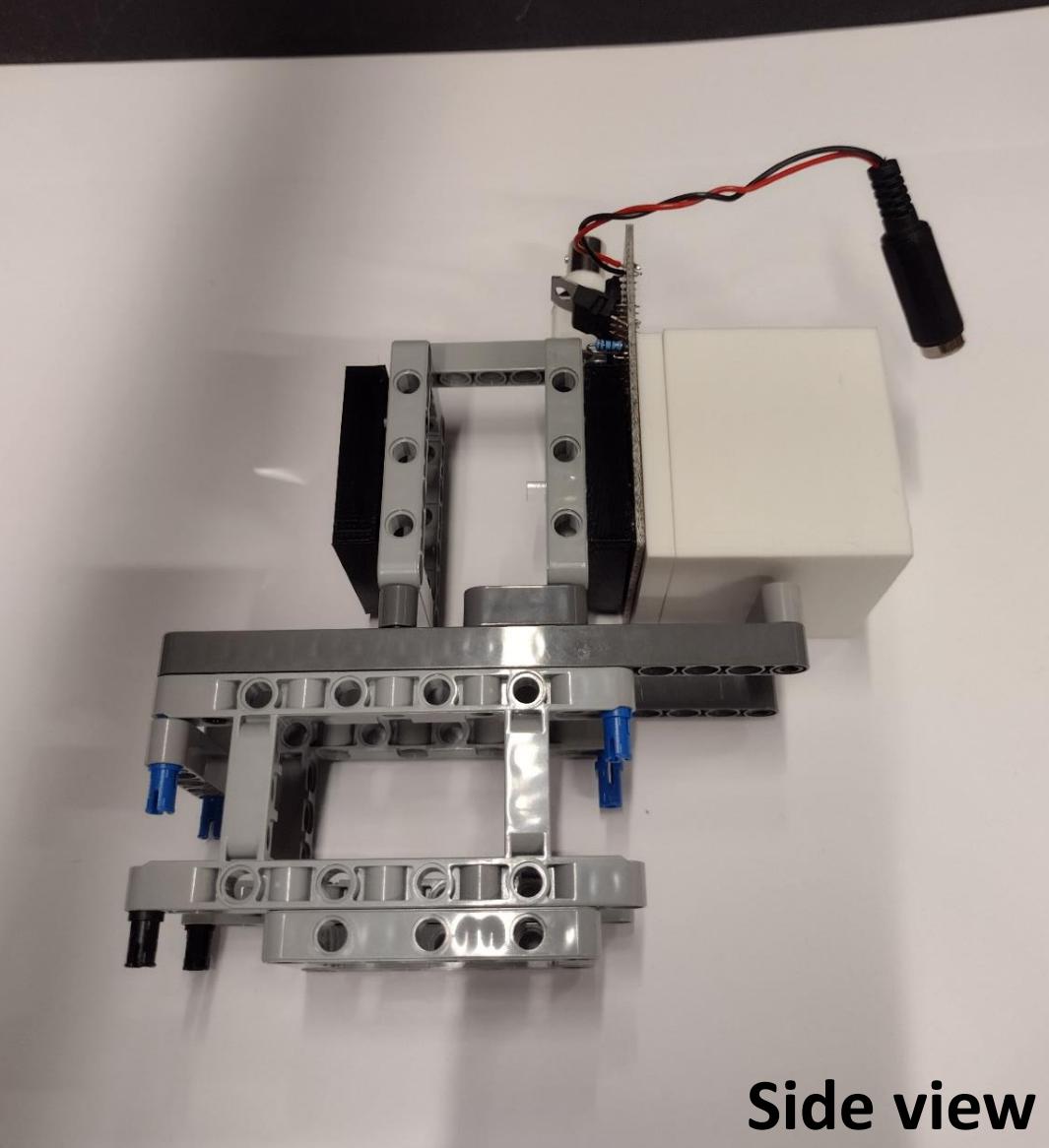


Swedish
Research
Council

IIIuminator



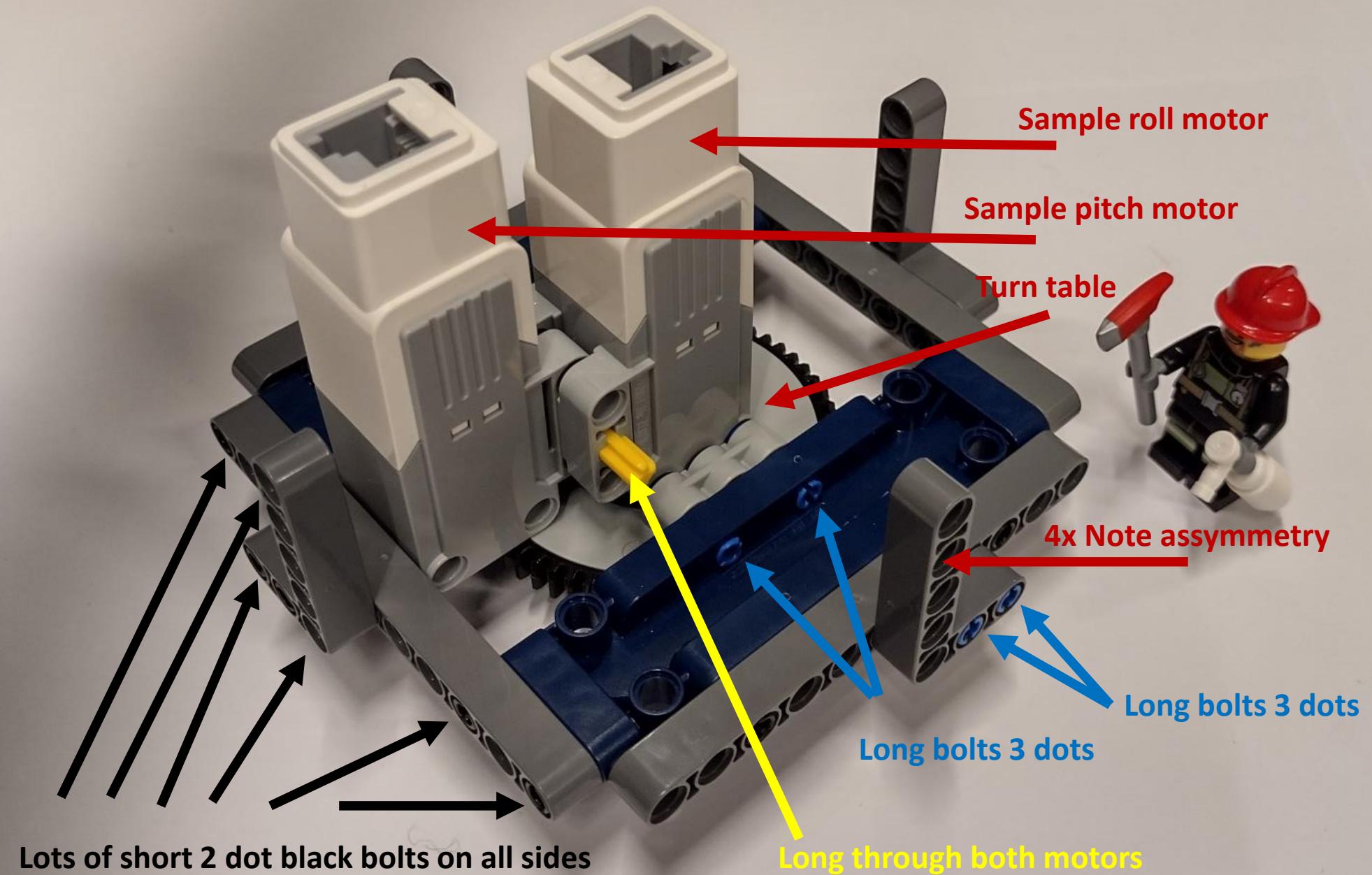
illuminator



Side view

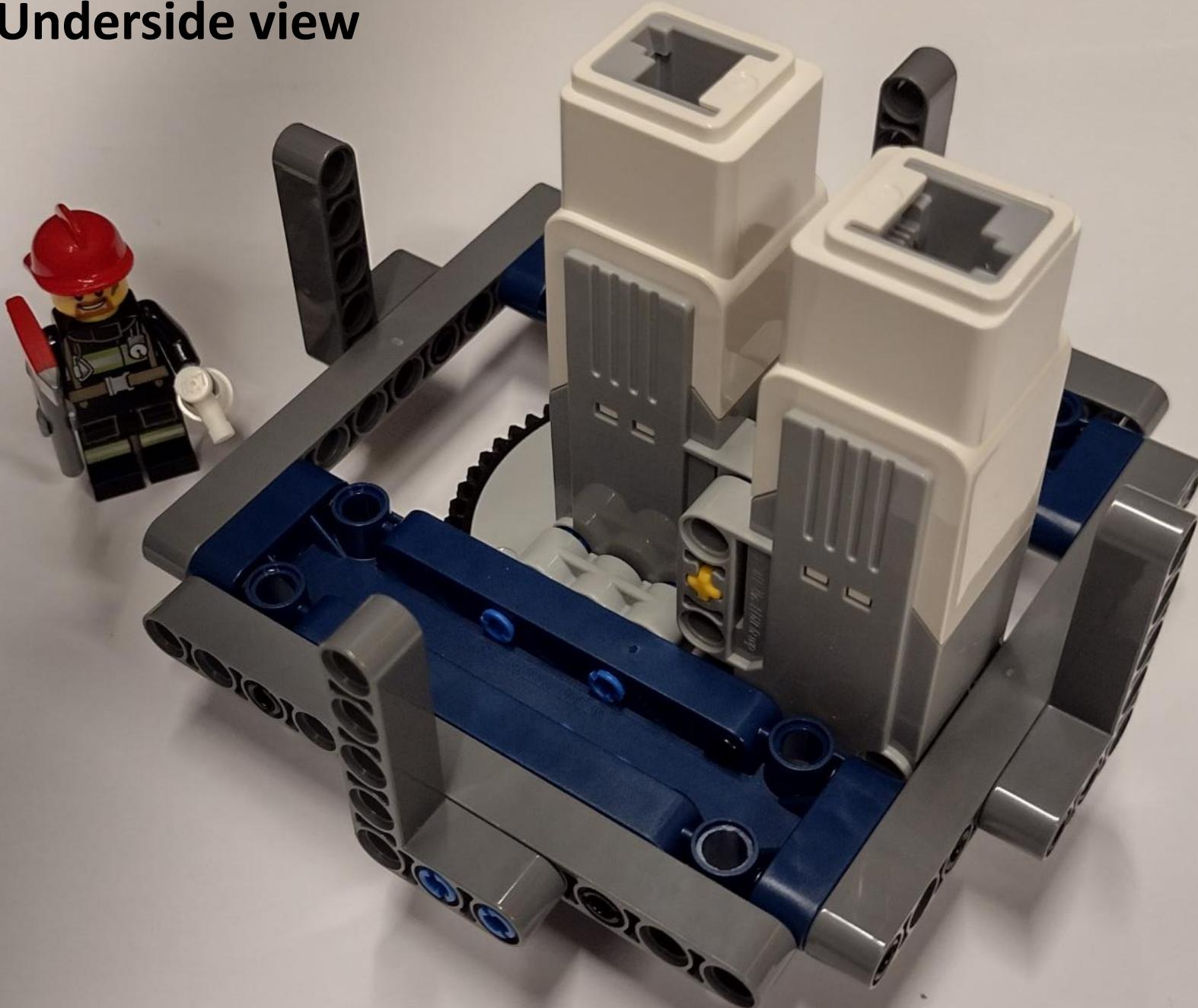
Aspect stage

Underside view



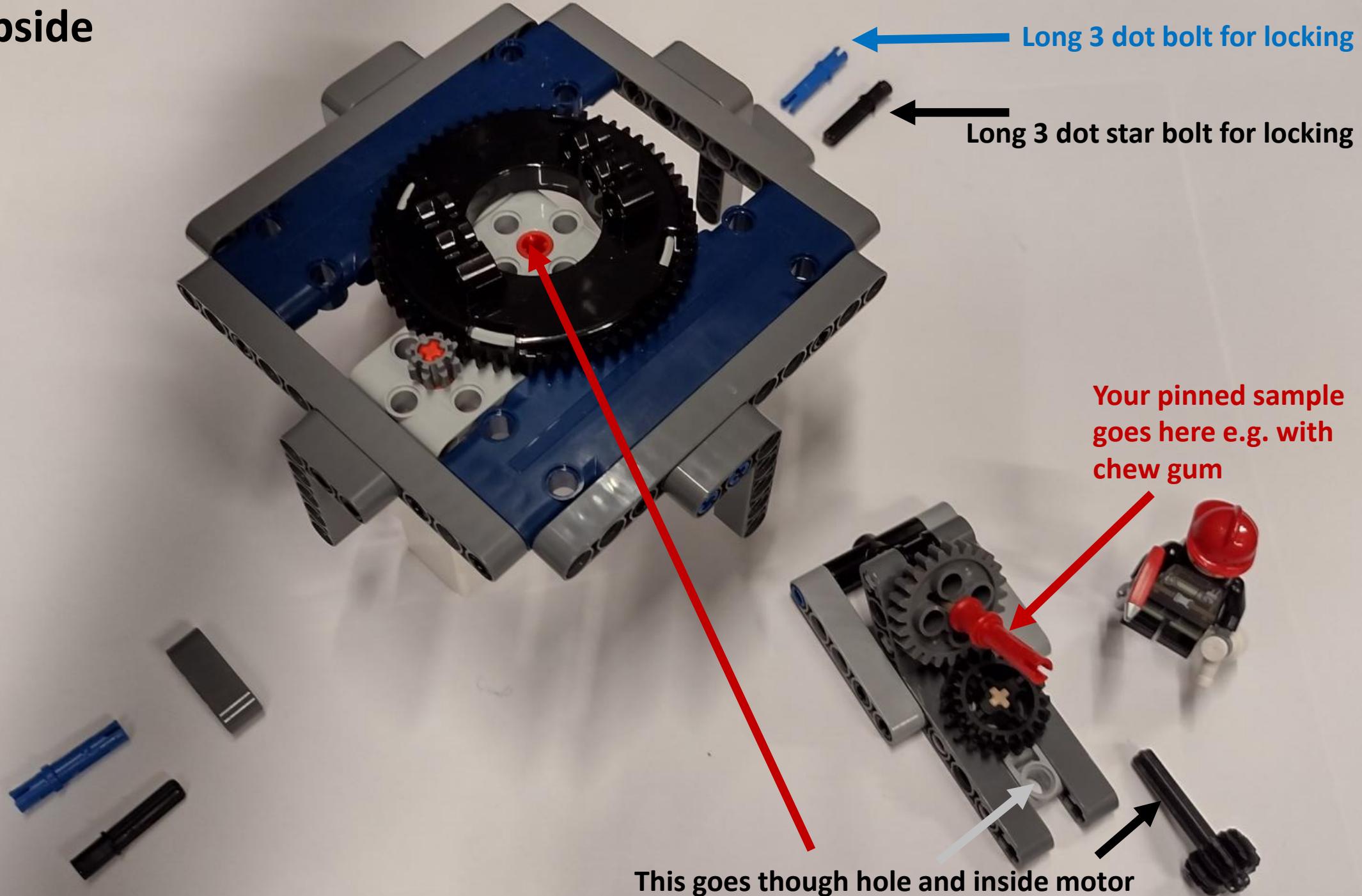
Aspect Stage

Underside view

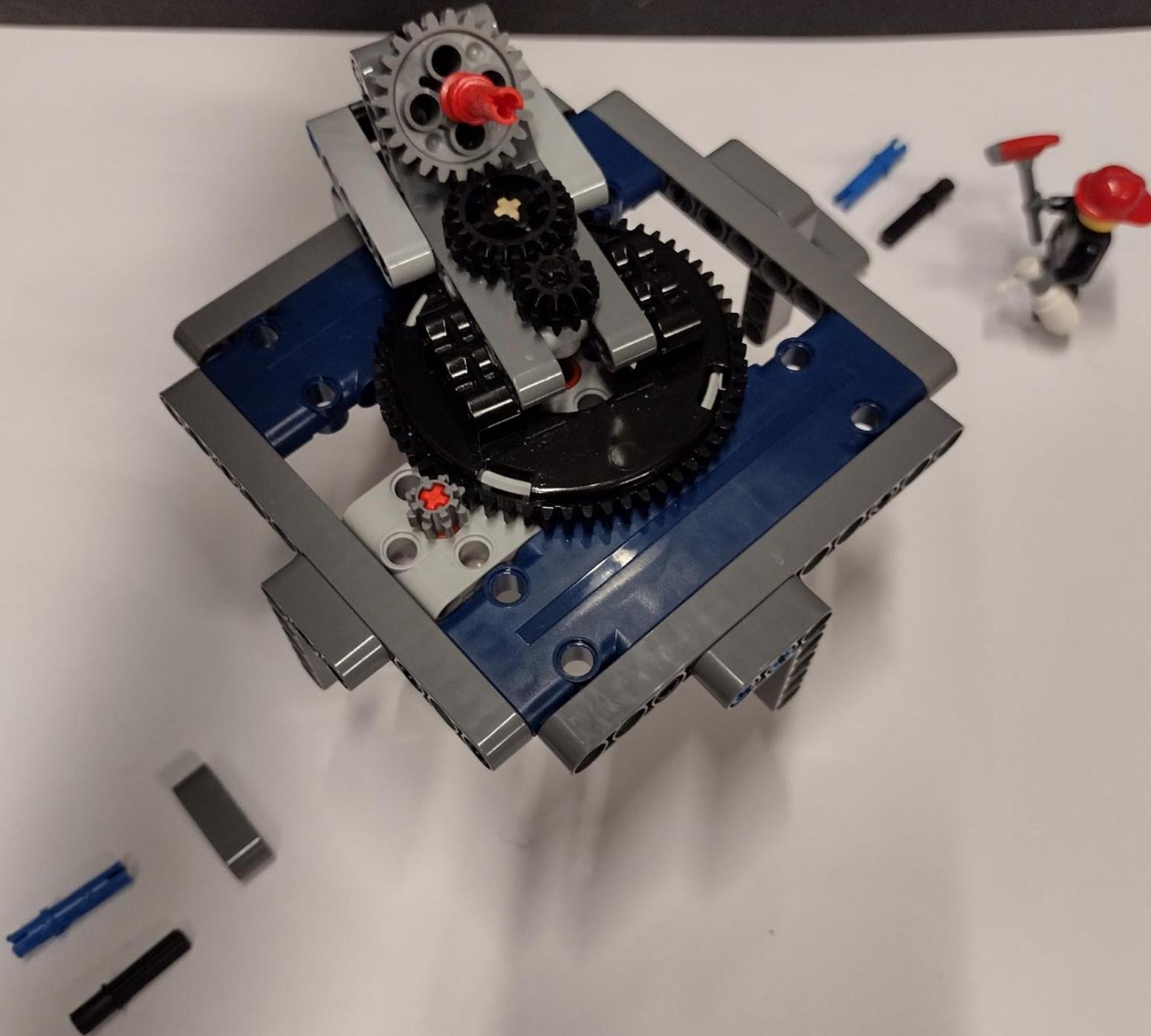


Aspect Stage

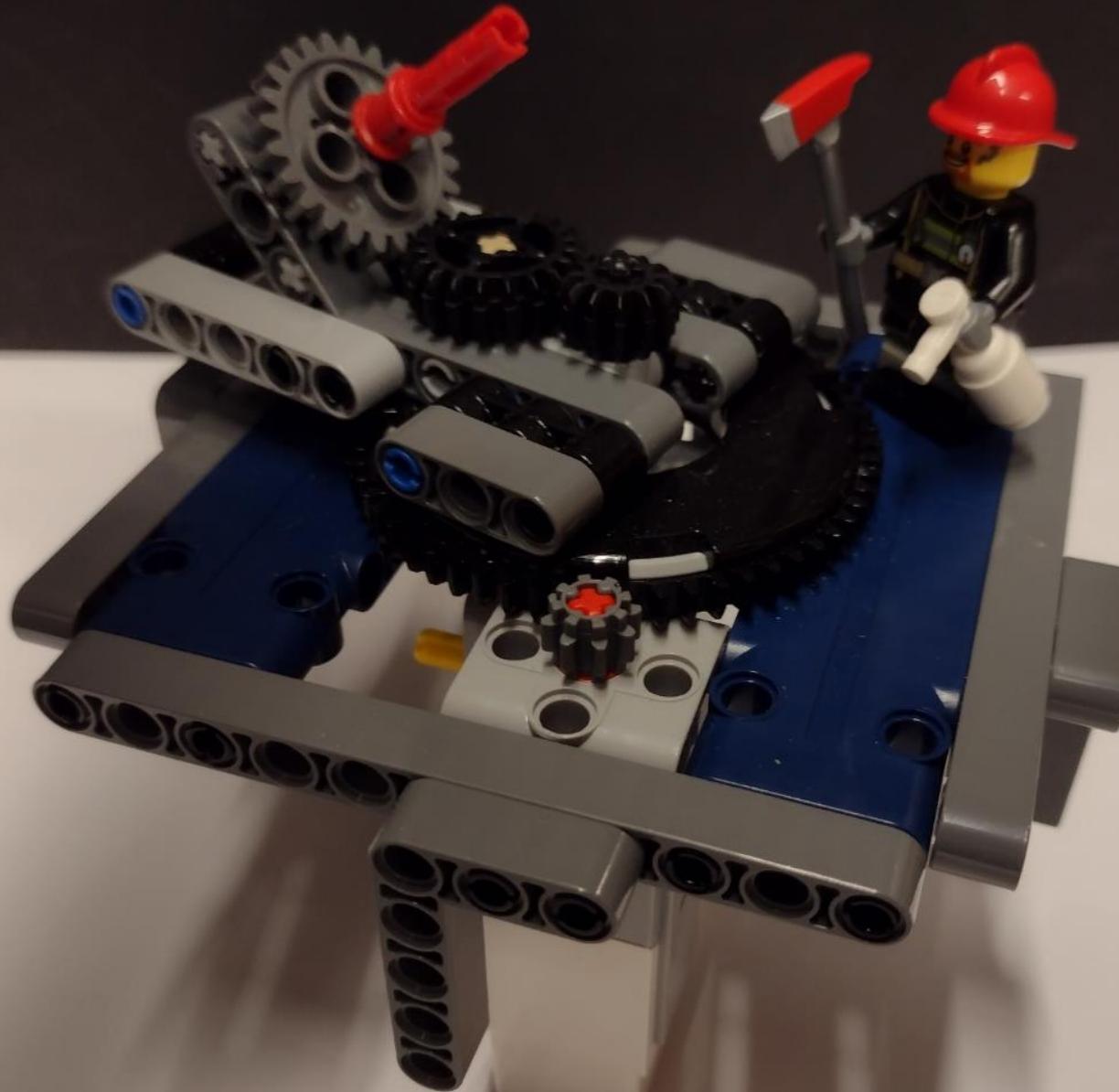
Topside



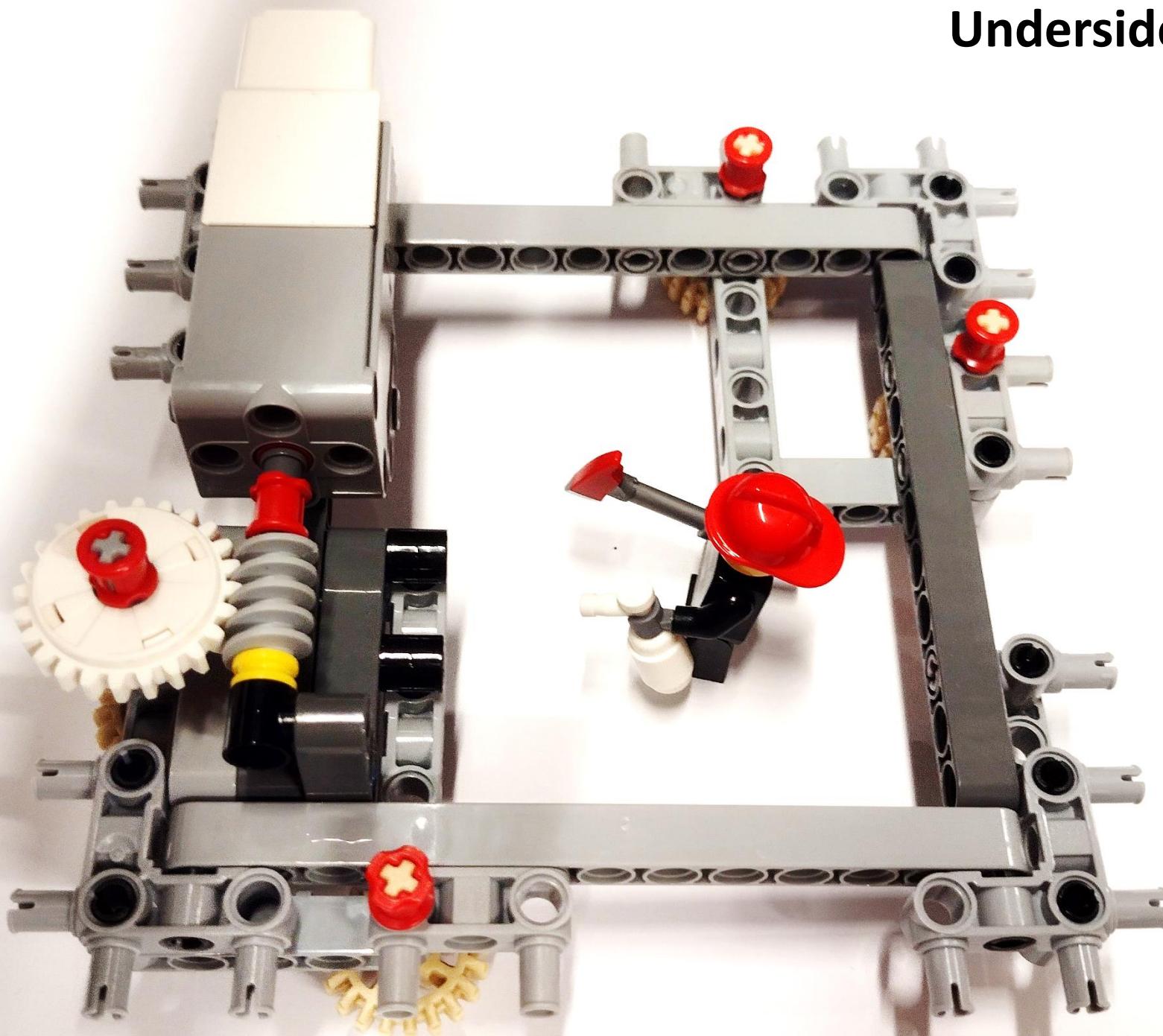
Aspect Stage



Aspect Stage

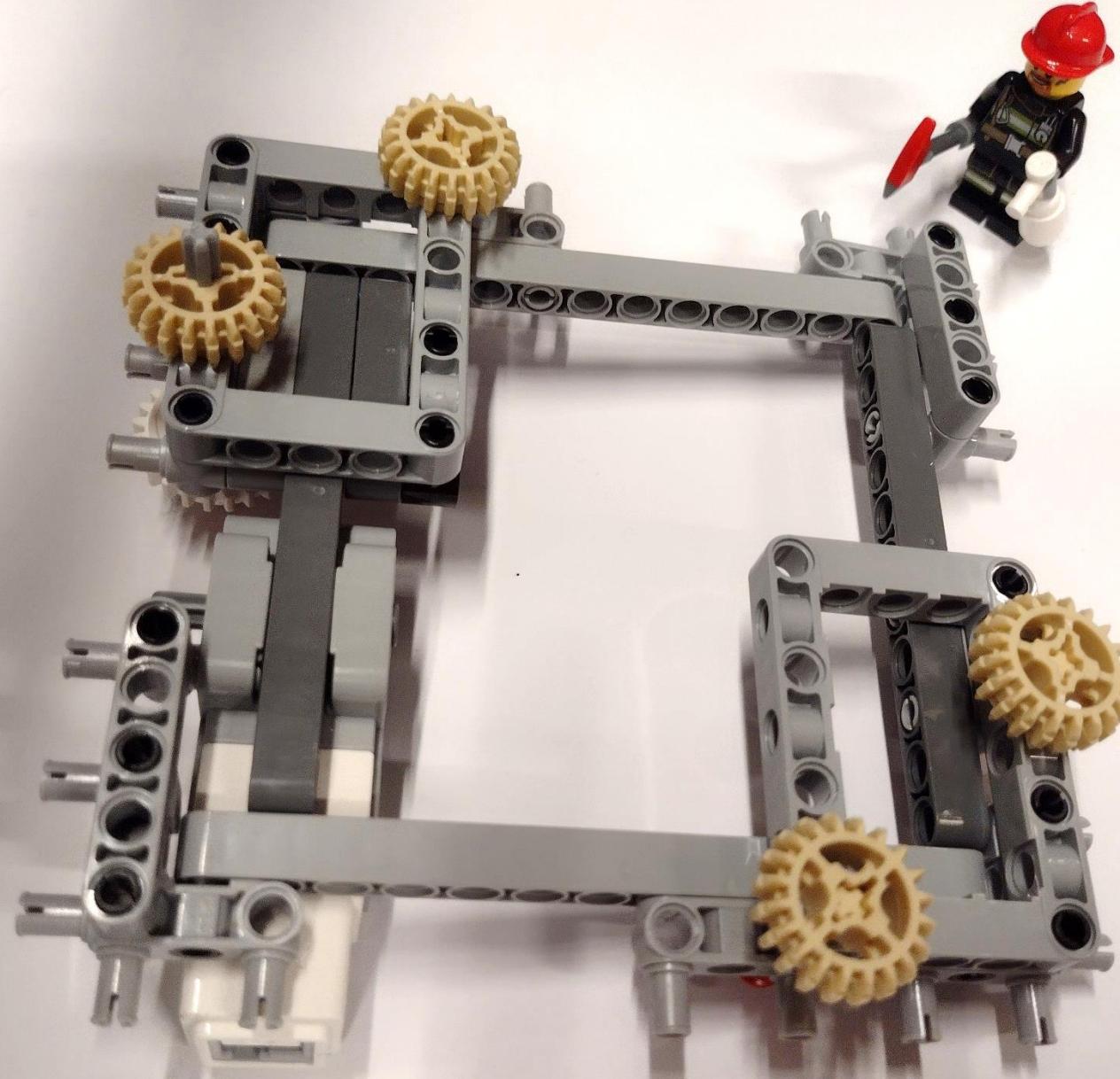


Goniometer motor



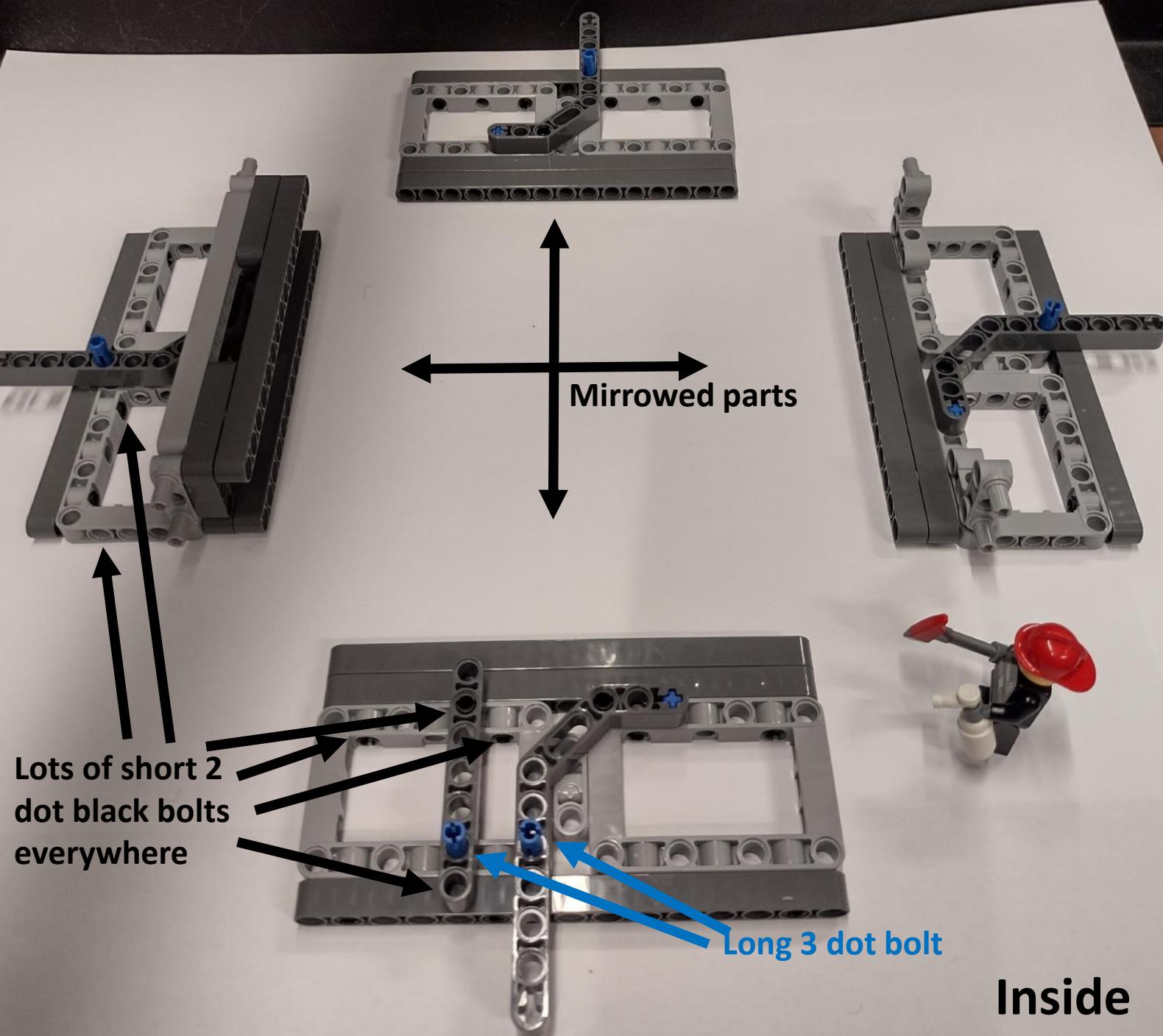
Underside

Goniometer motor

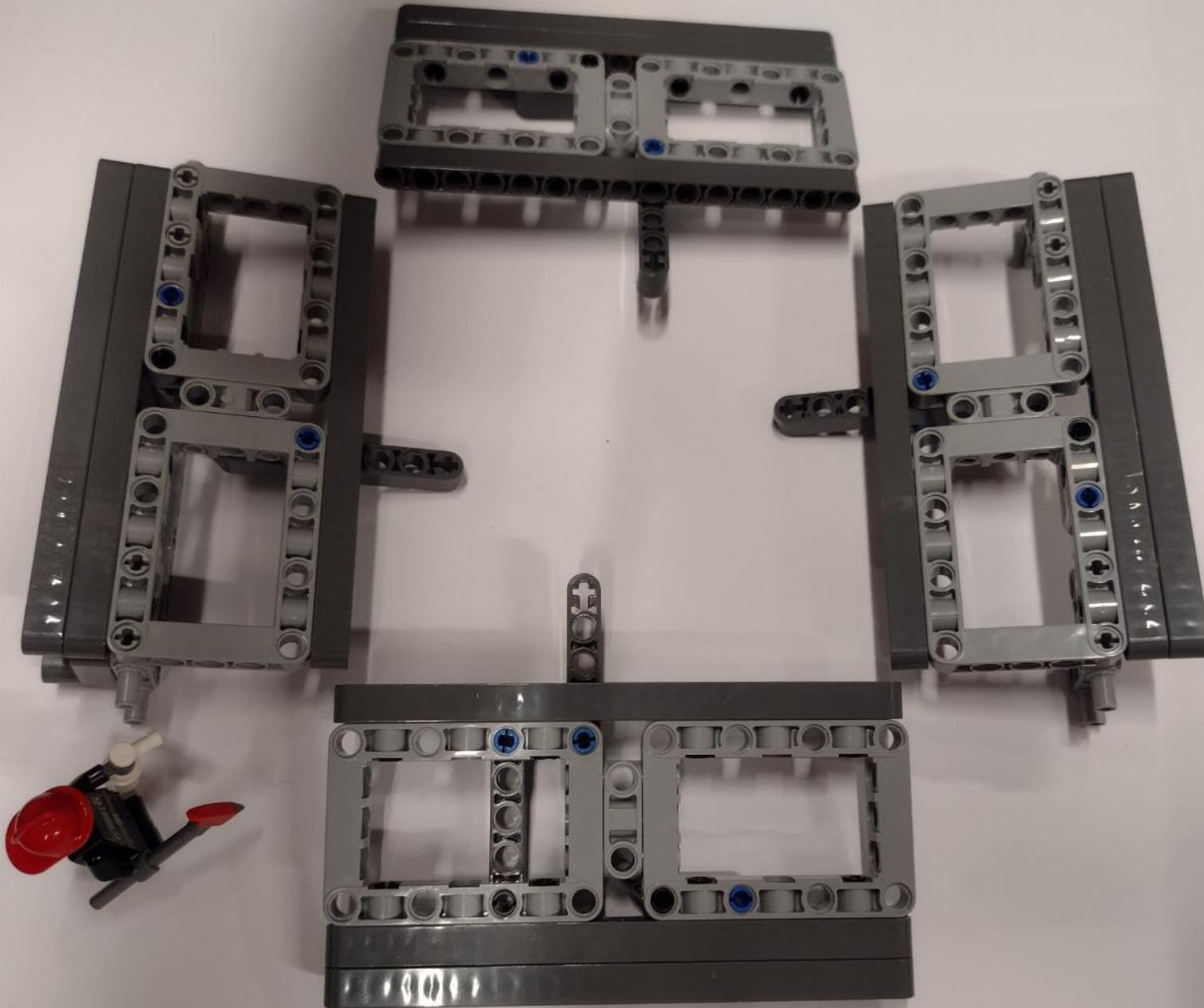


Top side

Goniometer frame

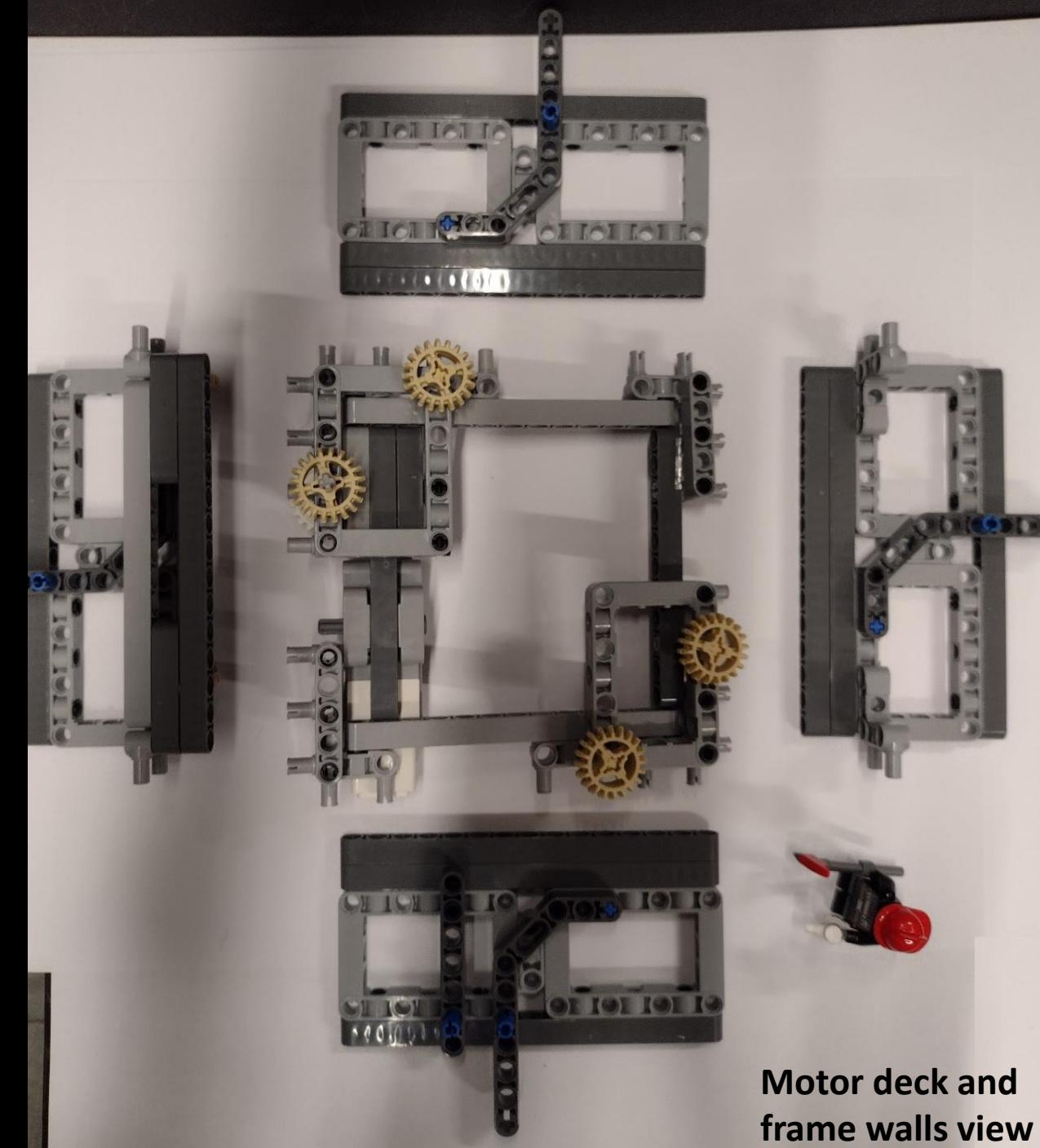


Goniometer frame

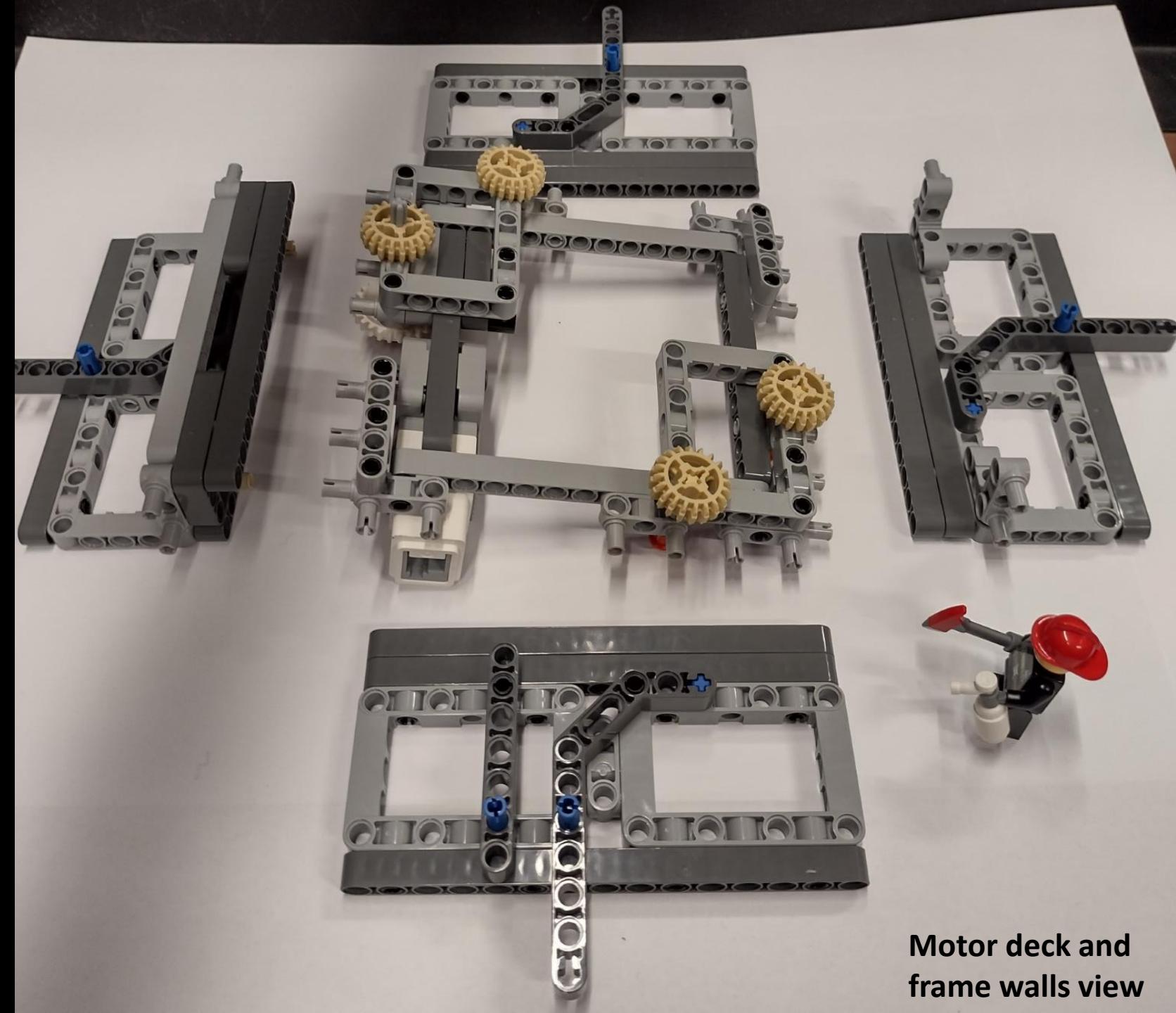


Outside

Goniometer frame

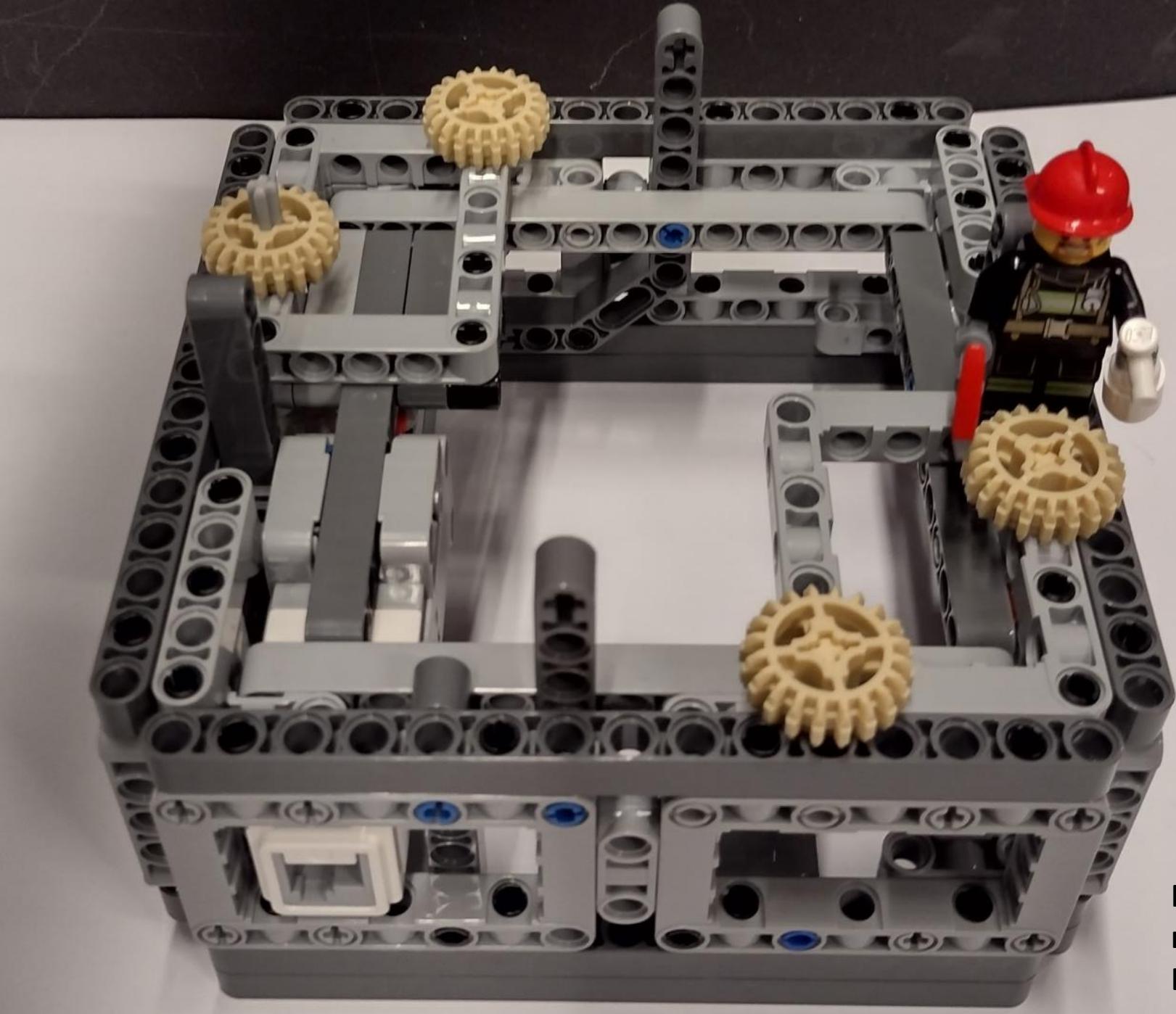


Goniometer frame



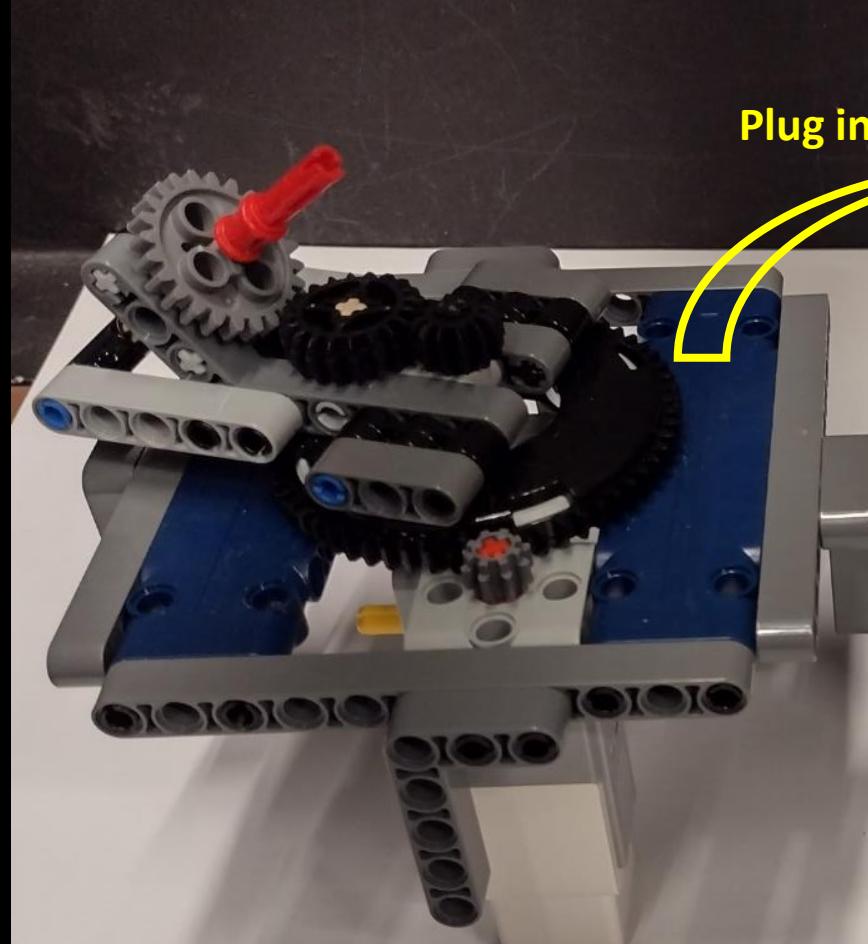
Motor deck and
frame walls view

Goniometer platform



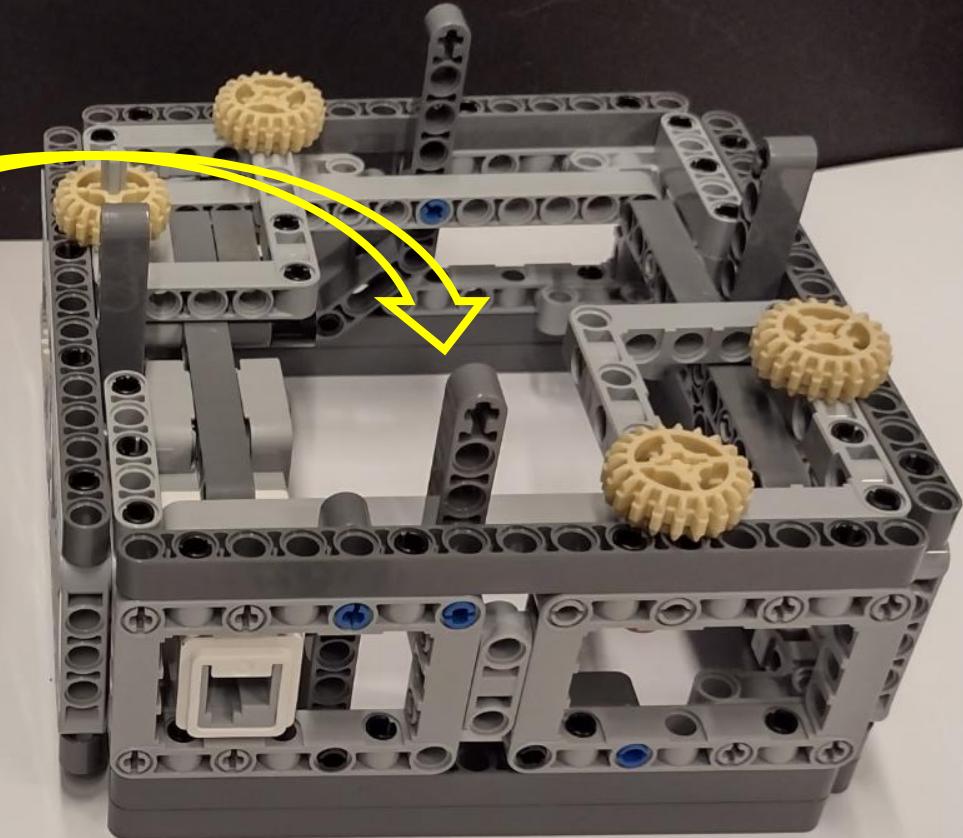
Rock solid and
rigid structure.
Bolts everywhere

Target stage



Aspect stage

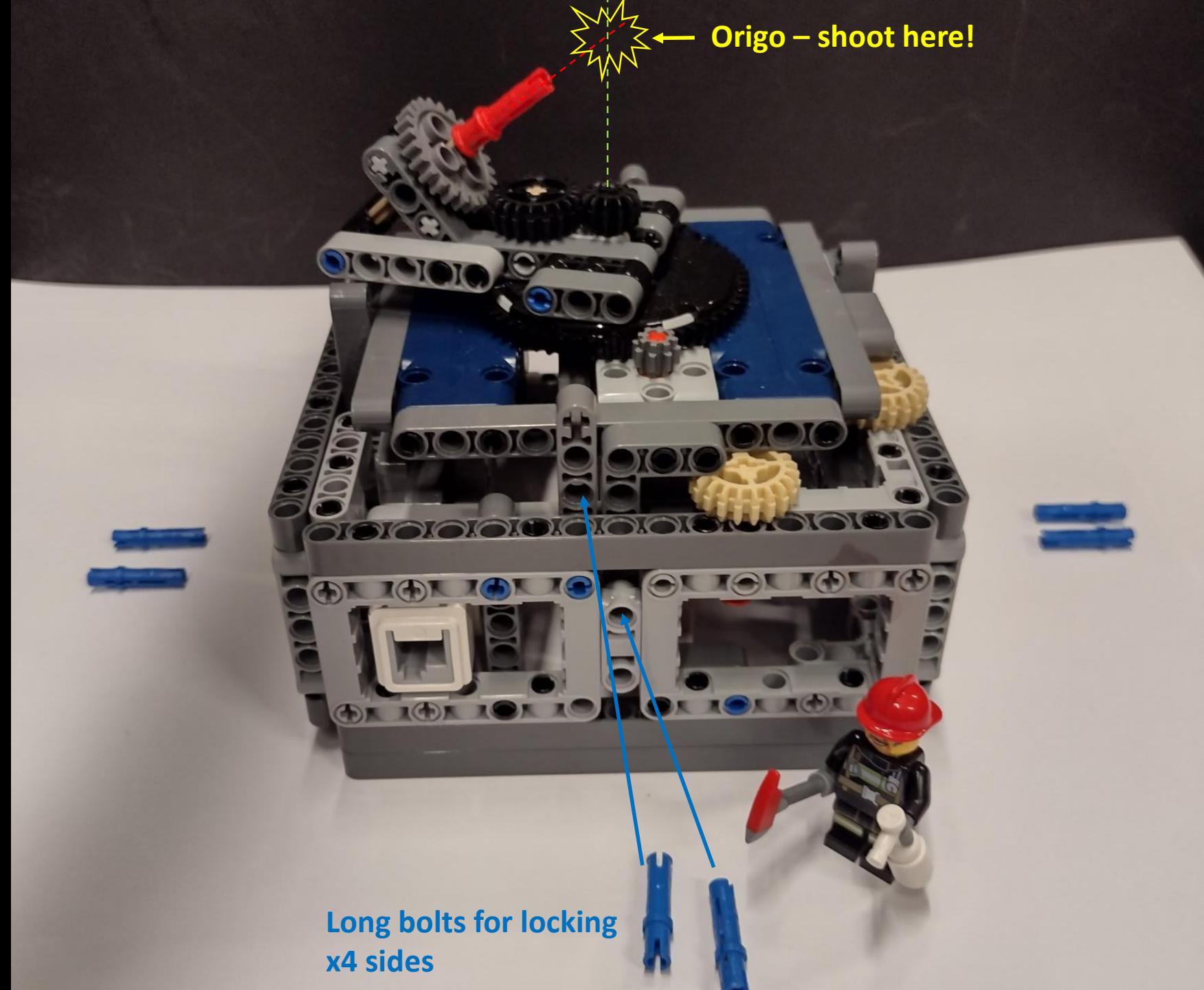
Plug in!



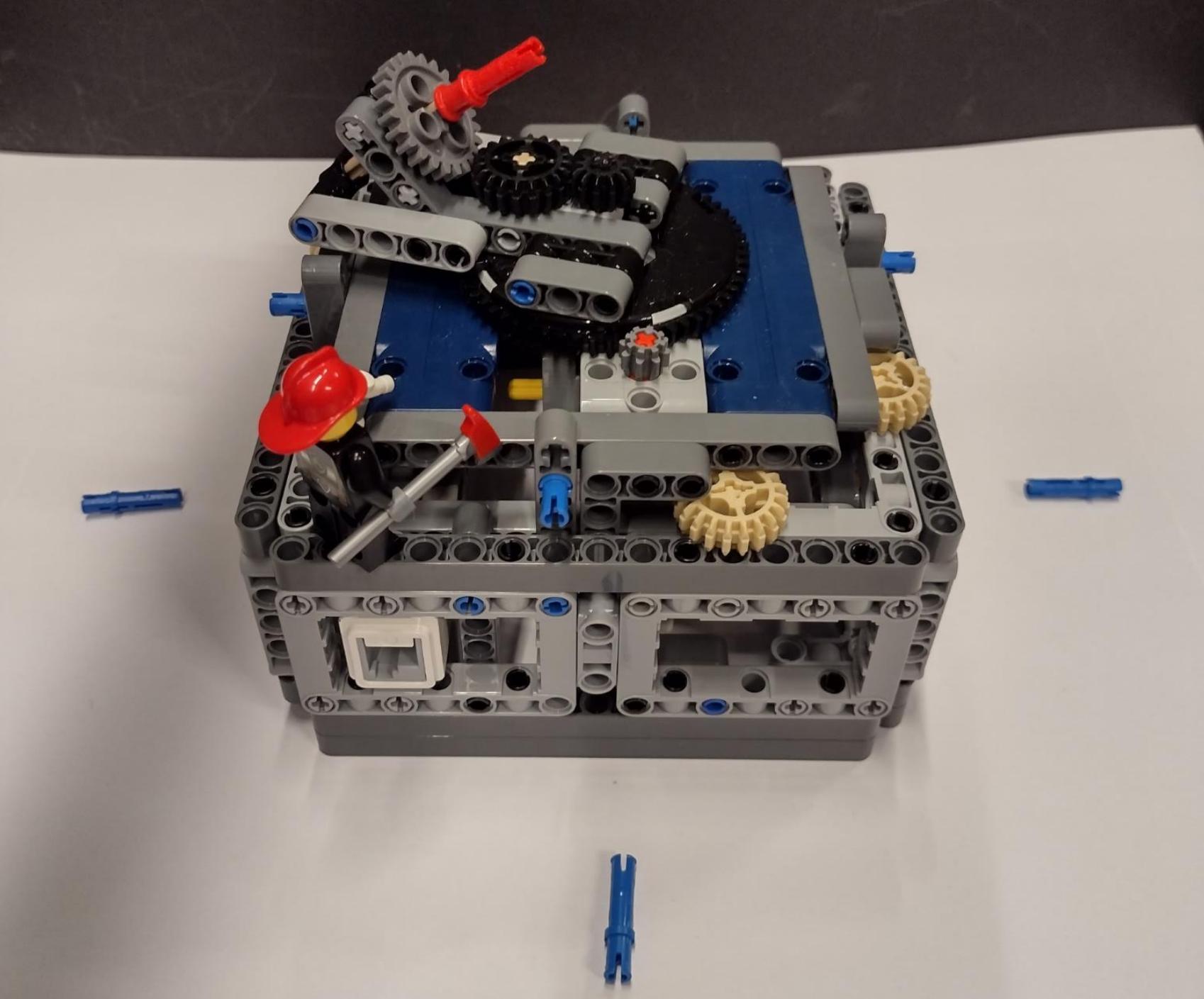
Goniometer stage



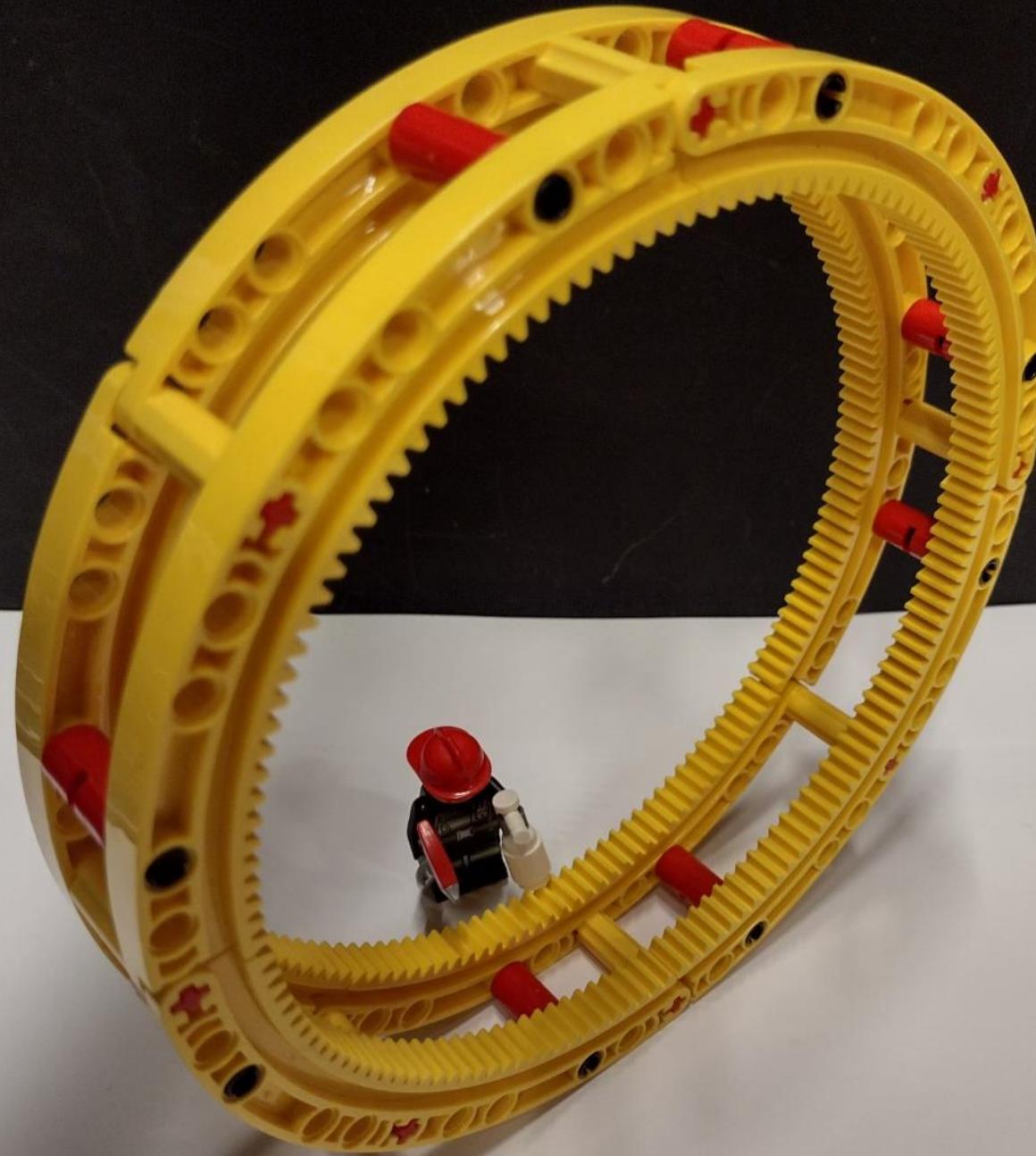
Target stage



Target stage



Goniometer stage

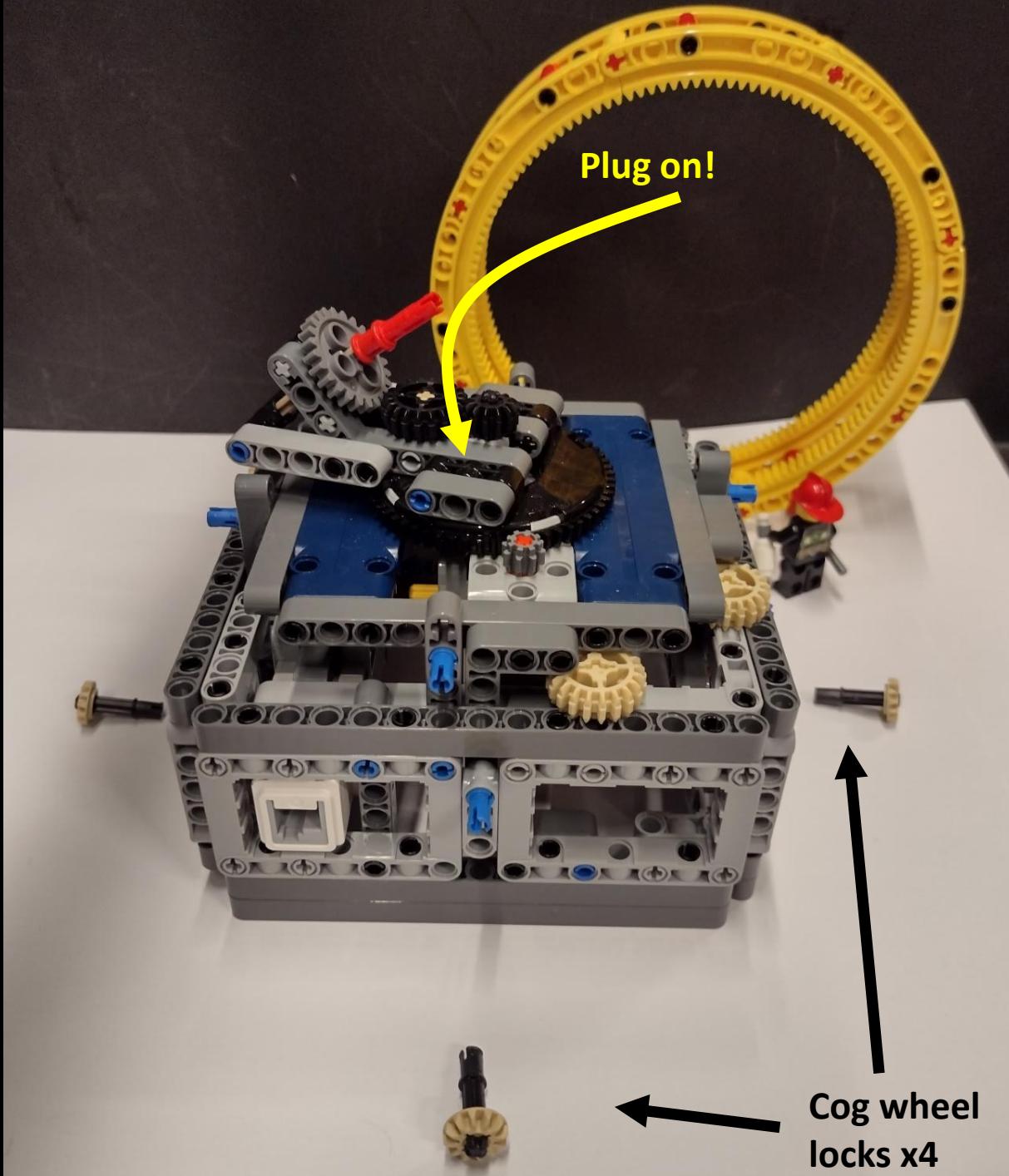


Goniometer stage

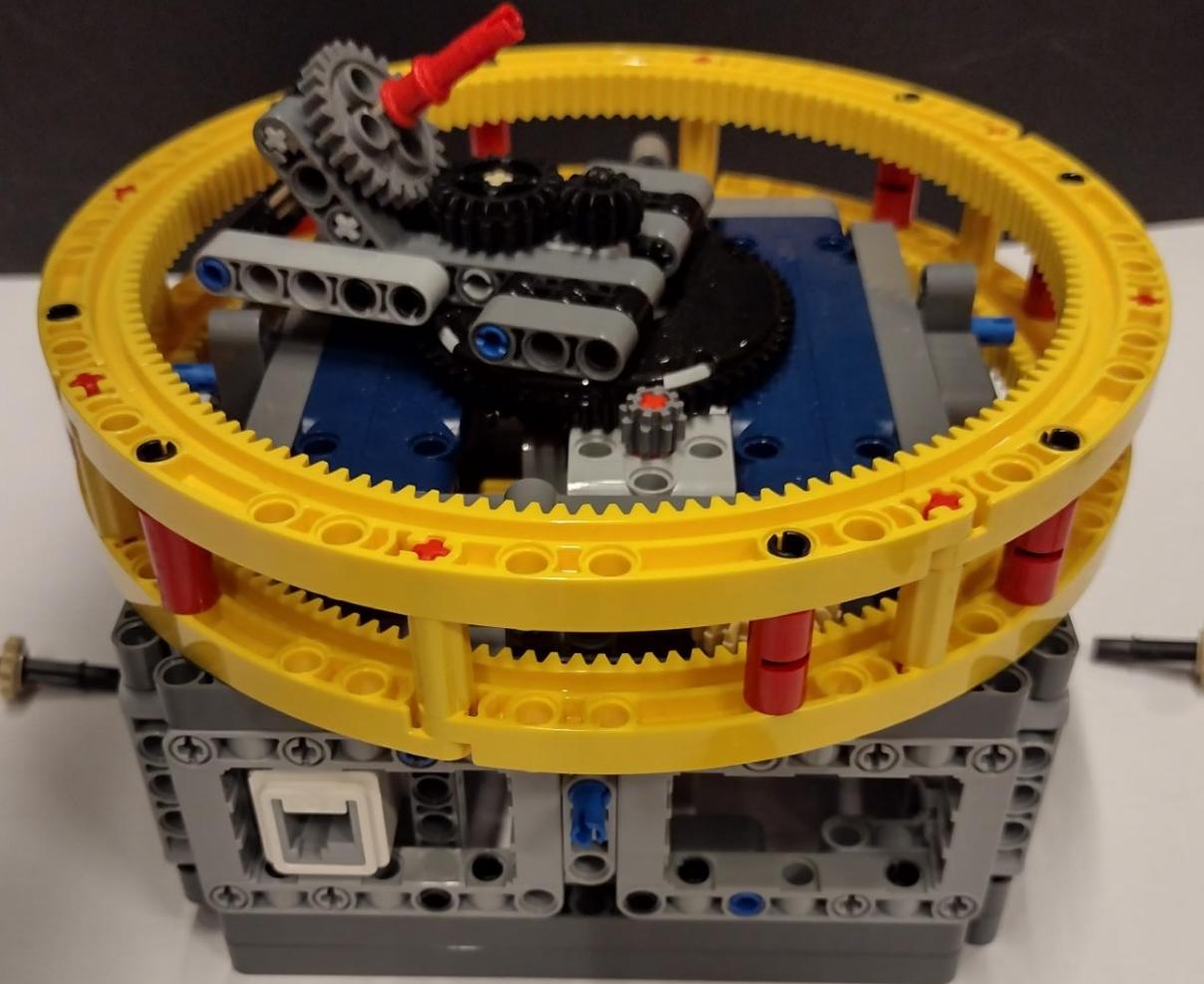


Out of phase joints improve stability

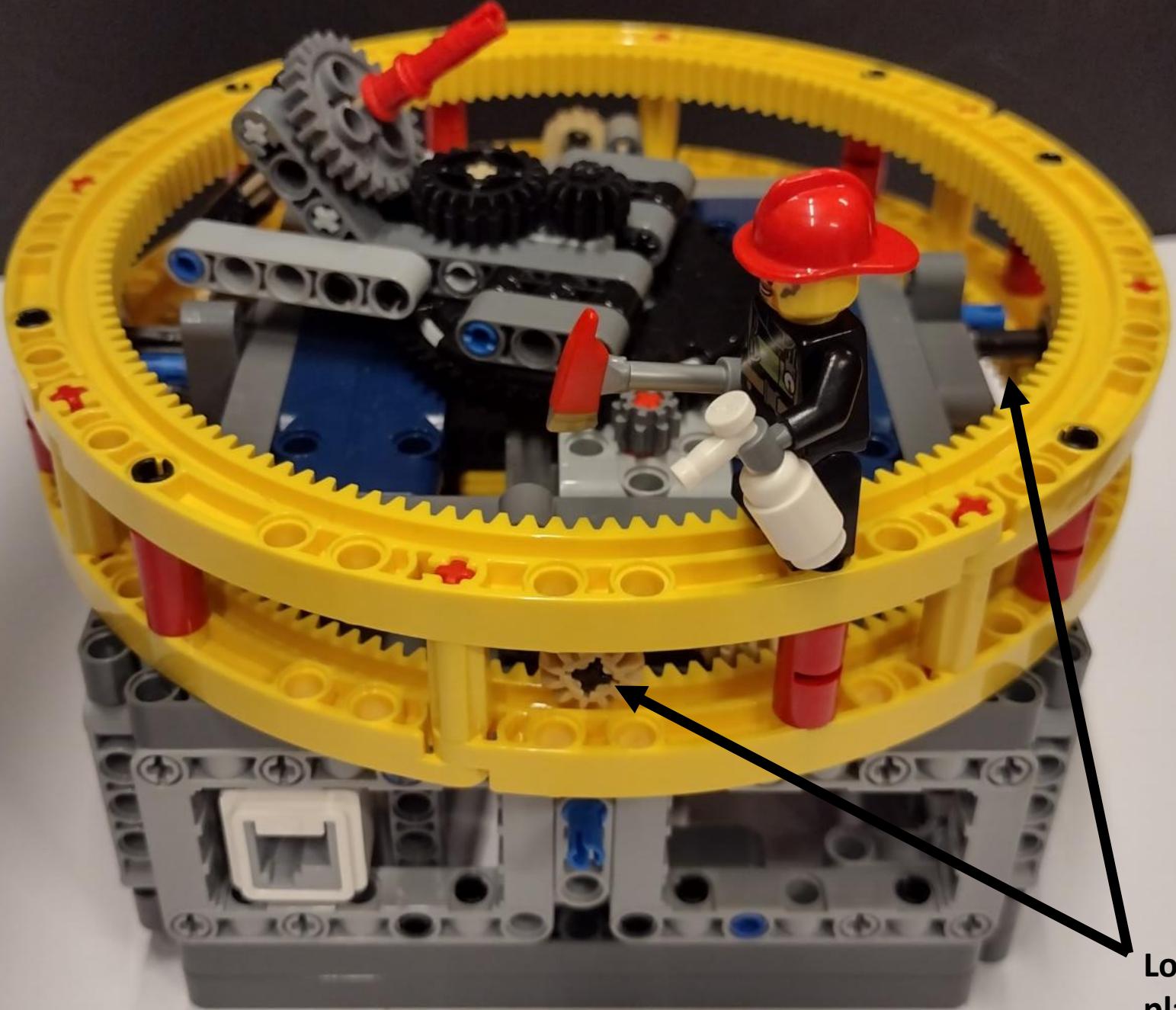
Target stage



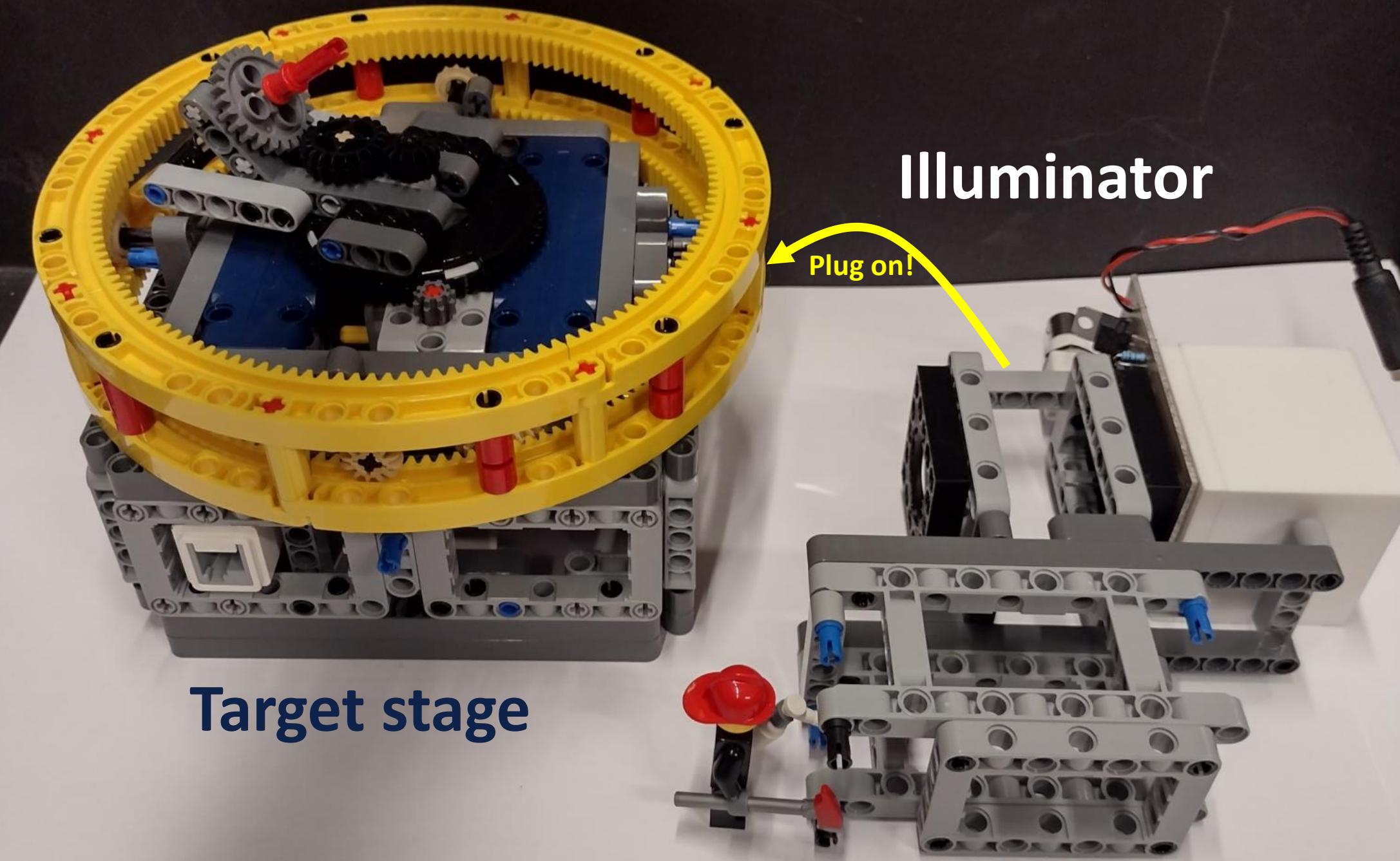
Target Stage



Target stage

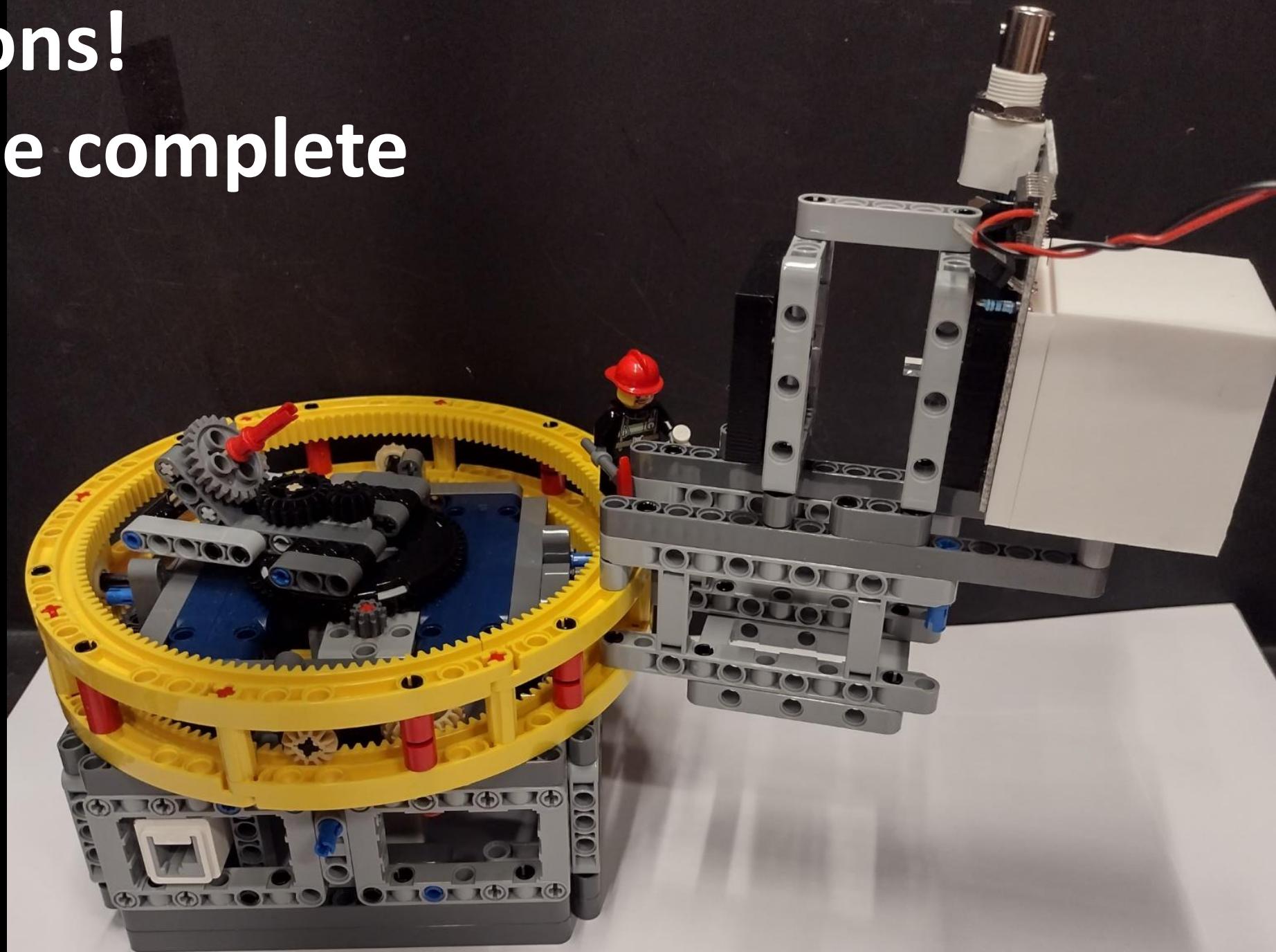


Target stage

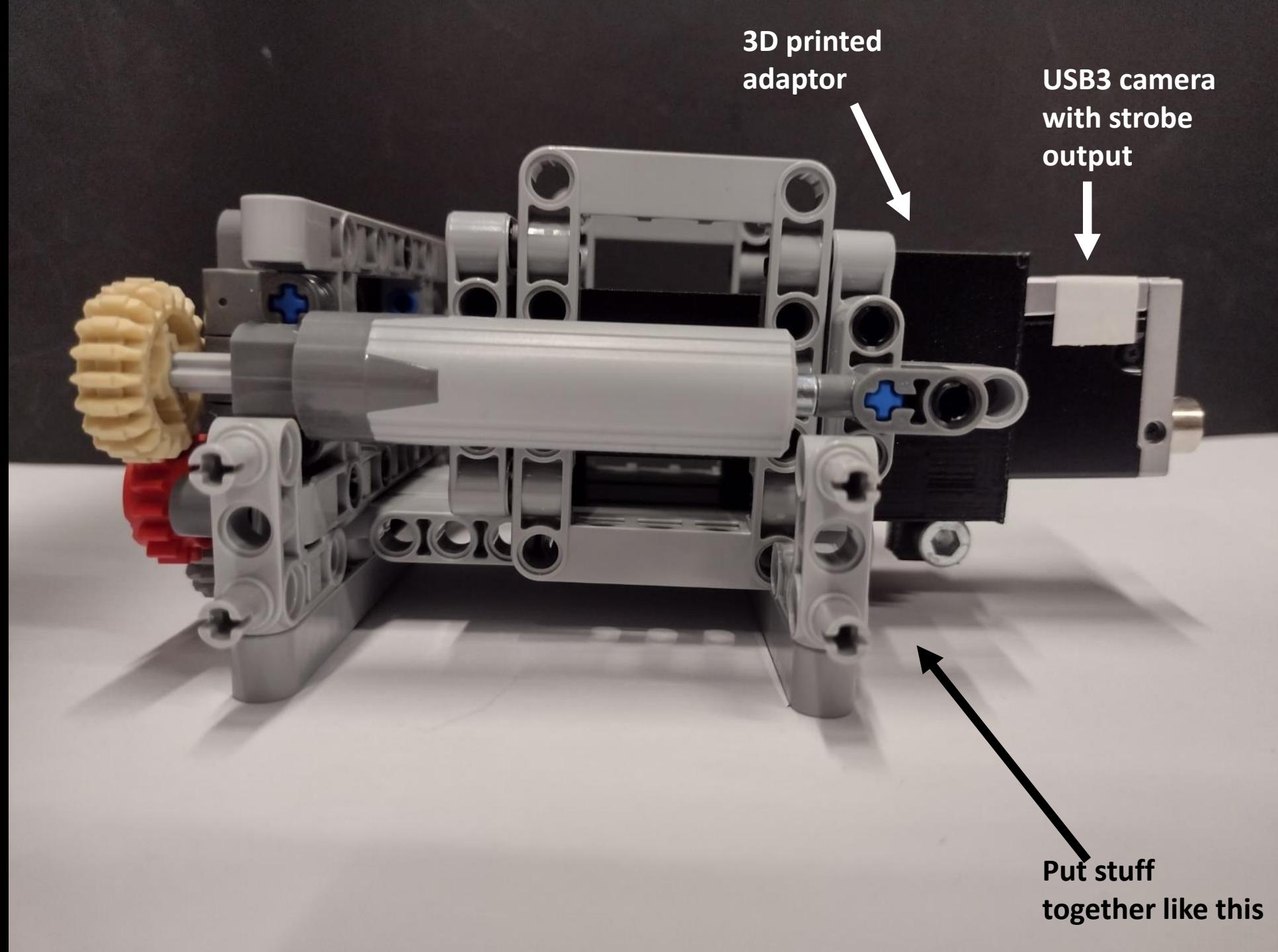


Congratulations!

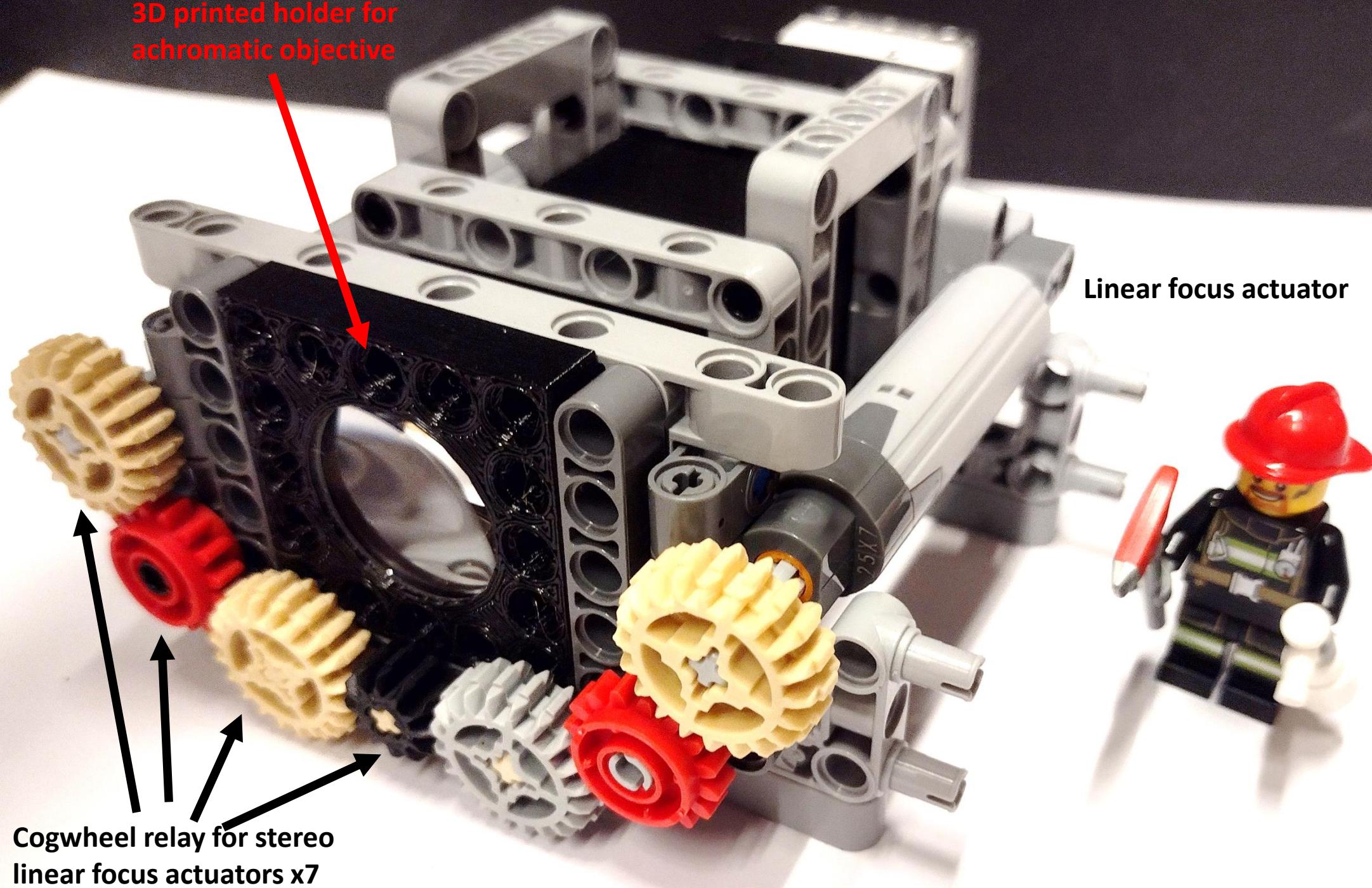
Target module complete



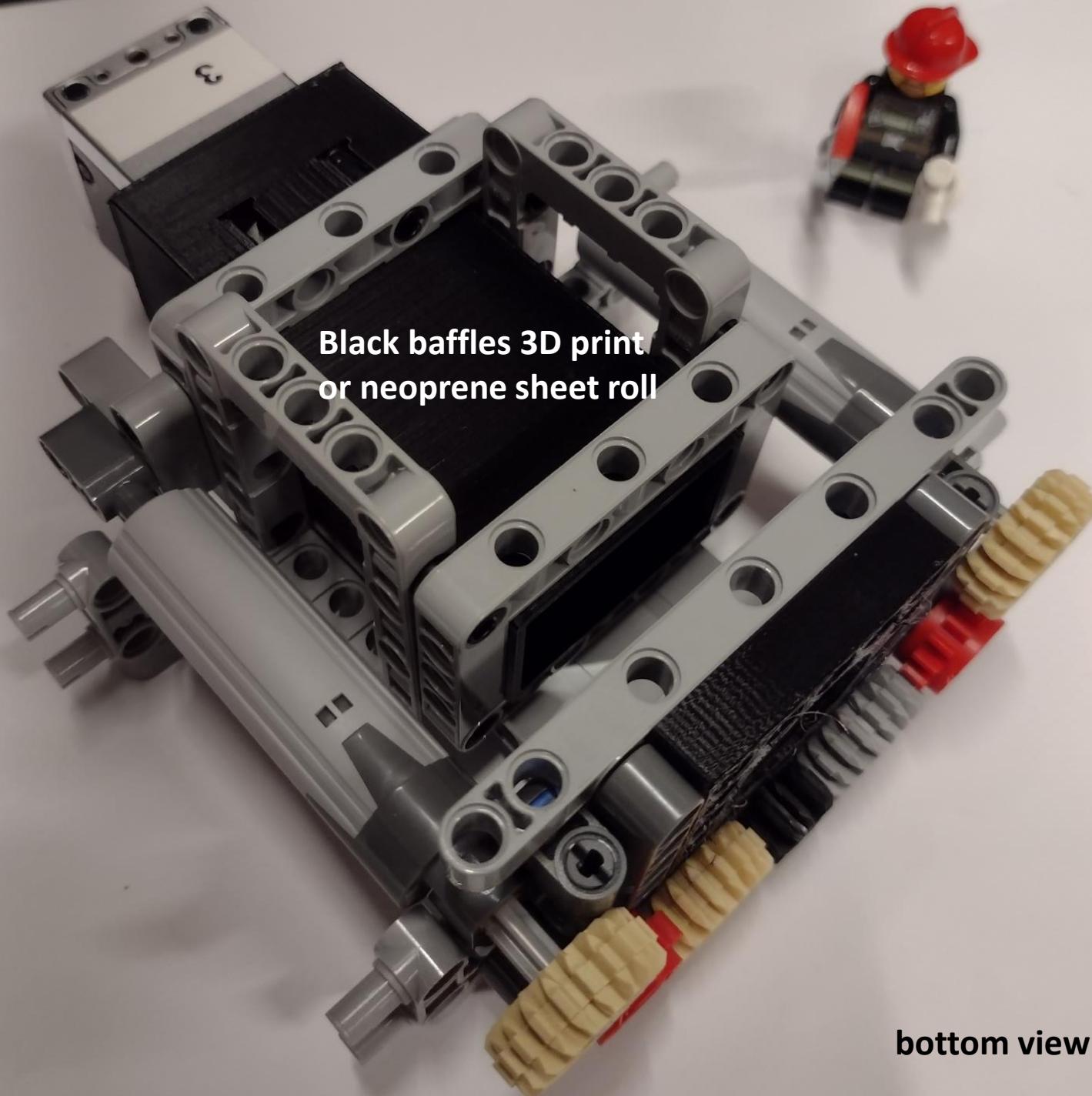
Camera focus stage



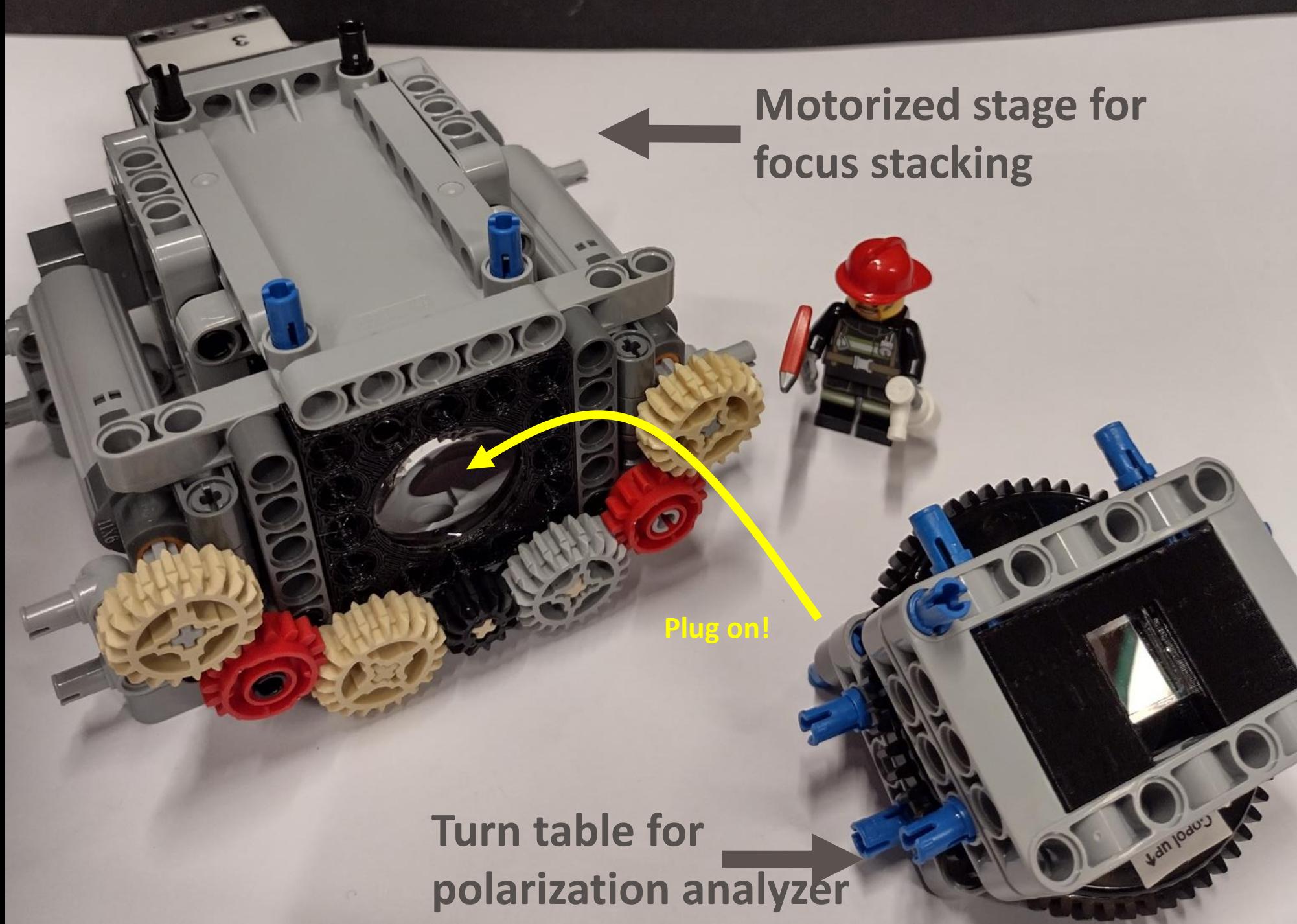
Camera focus stage



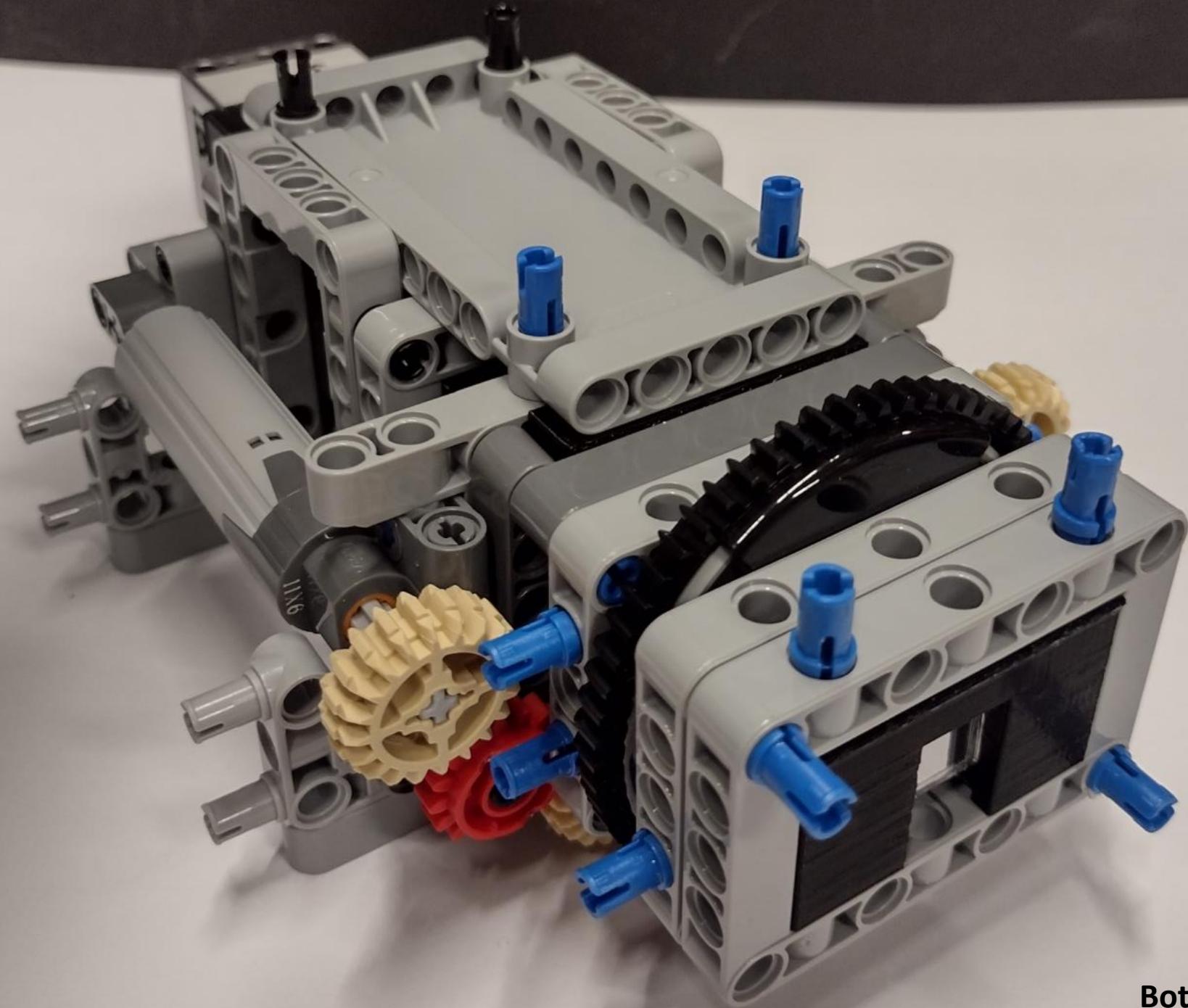
Camera focus stage



Camera focus stage

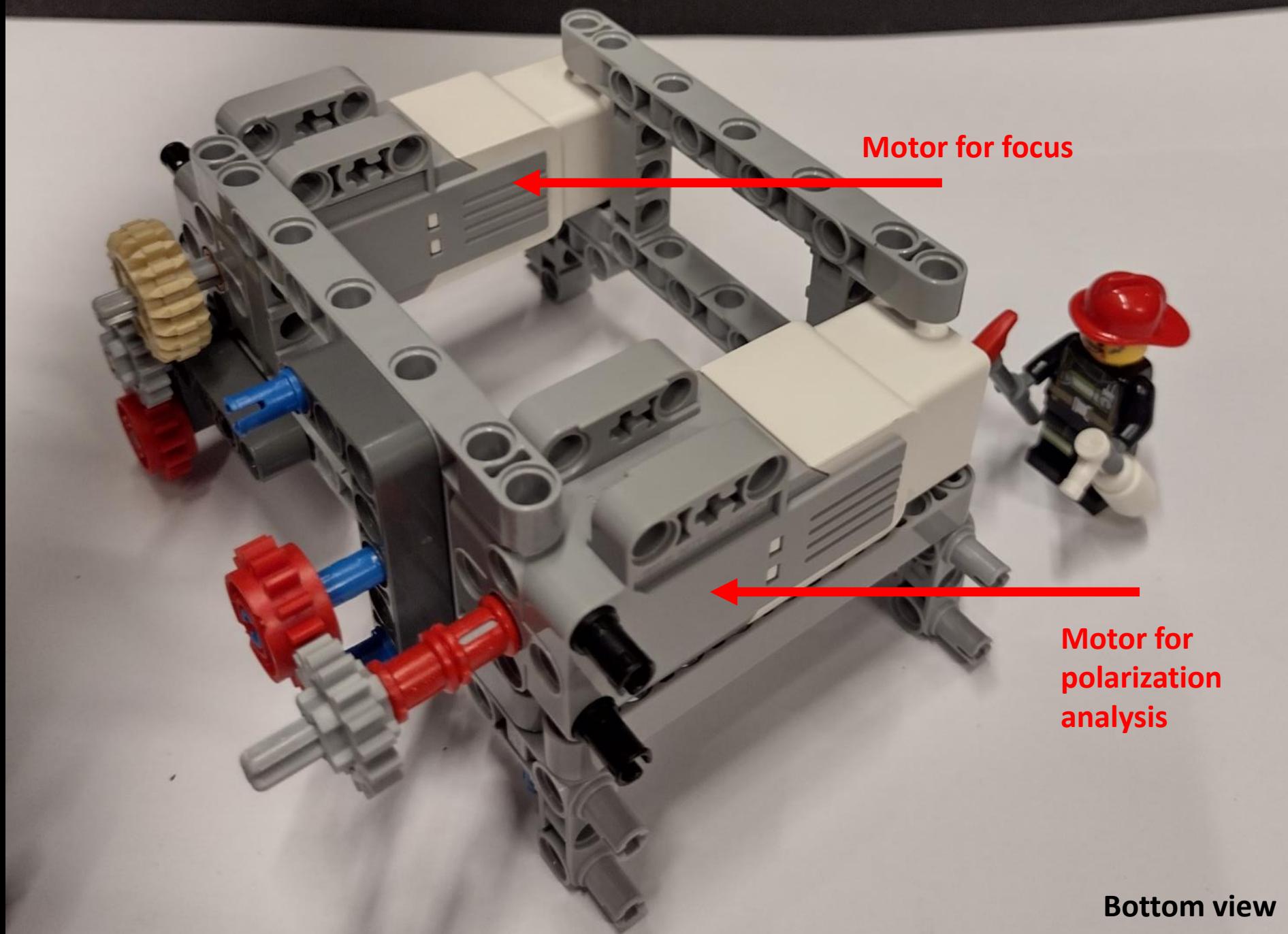


Focus and polarization Stages with camera

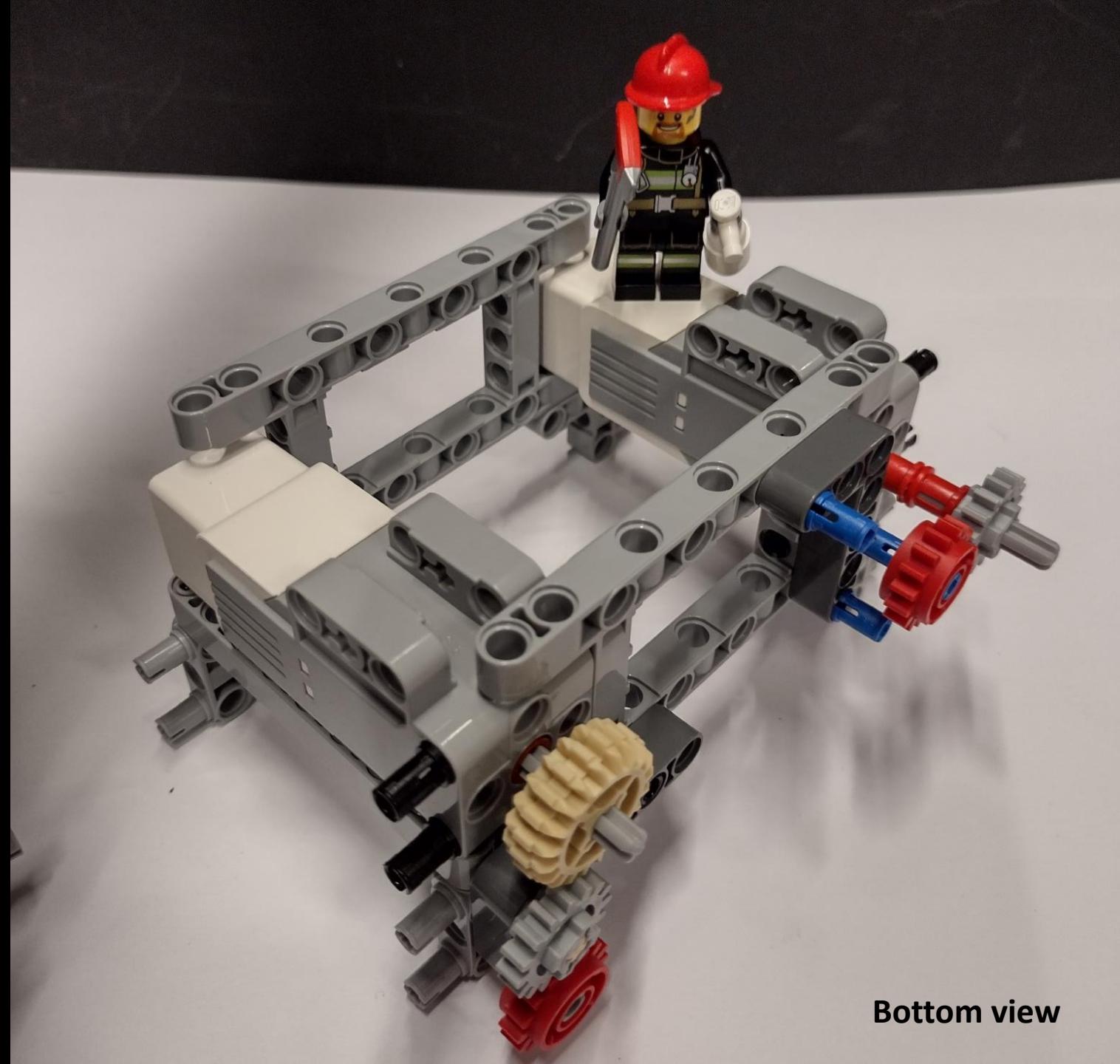


Bottom view

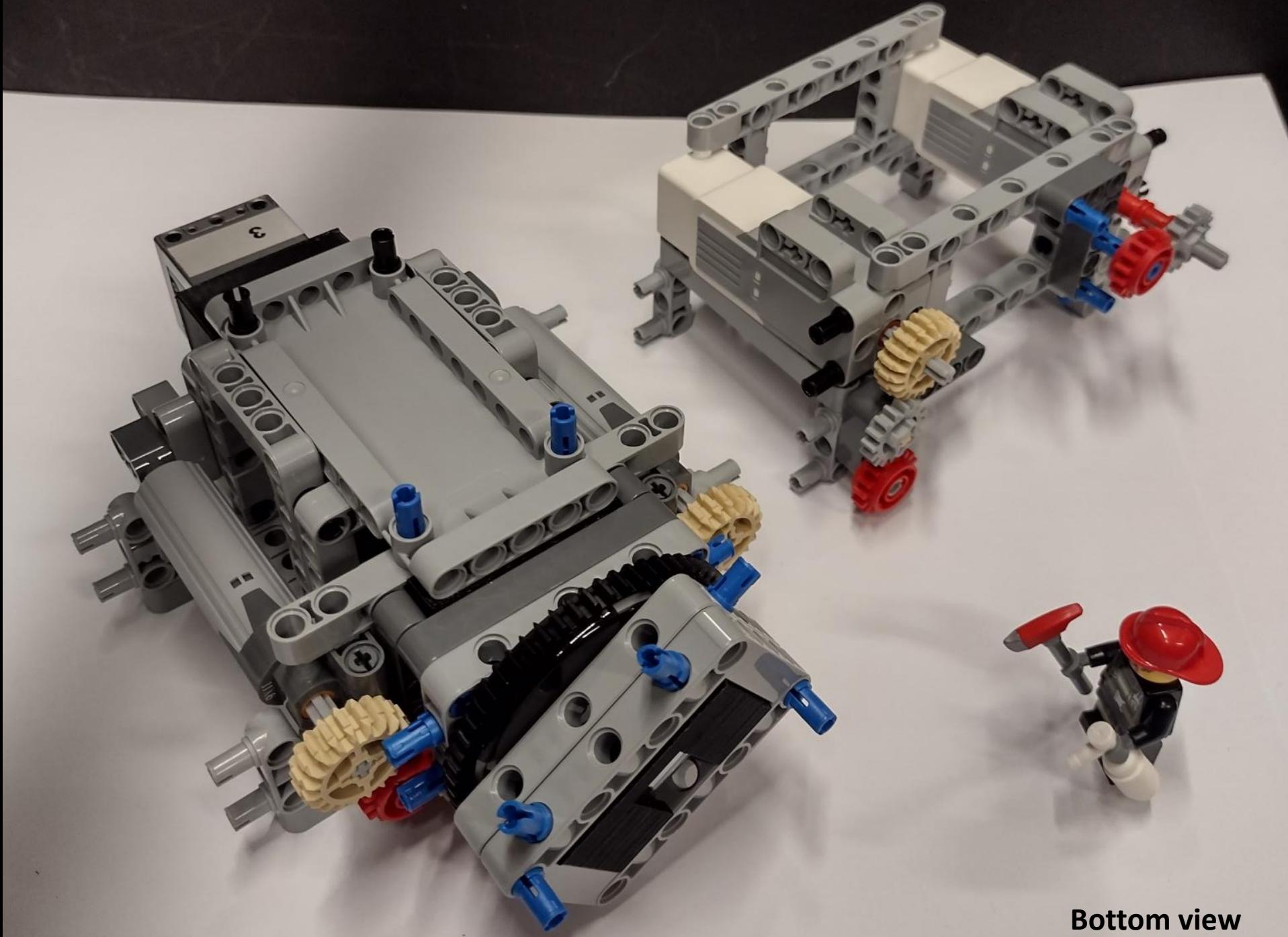
Motors for focus and polarization



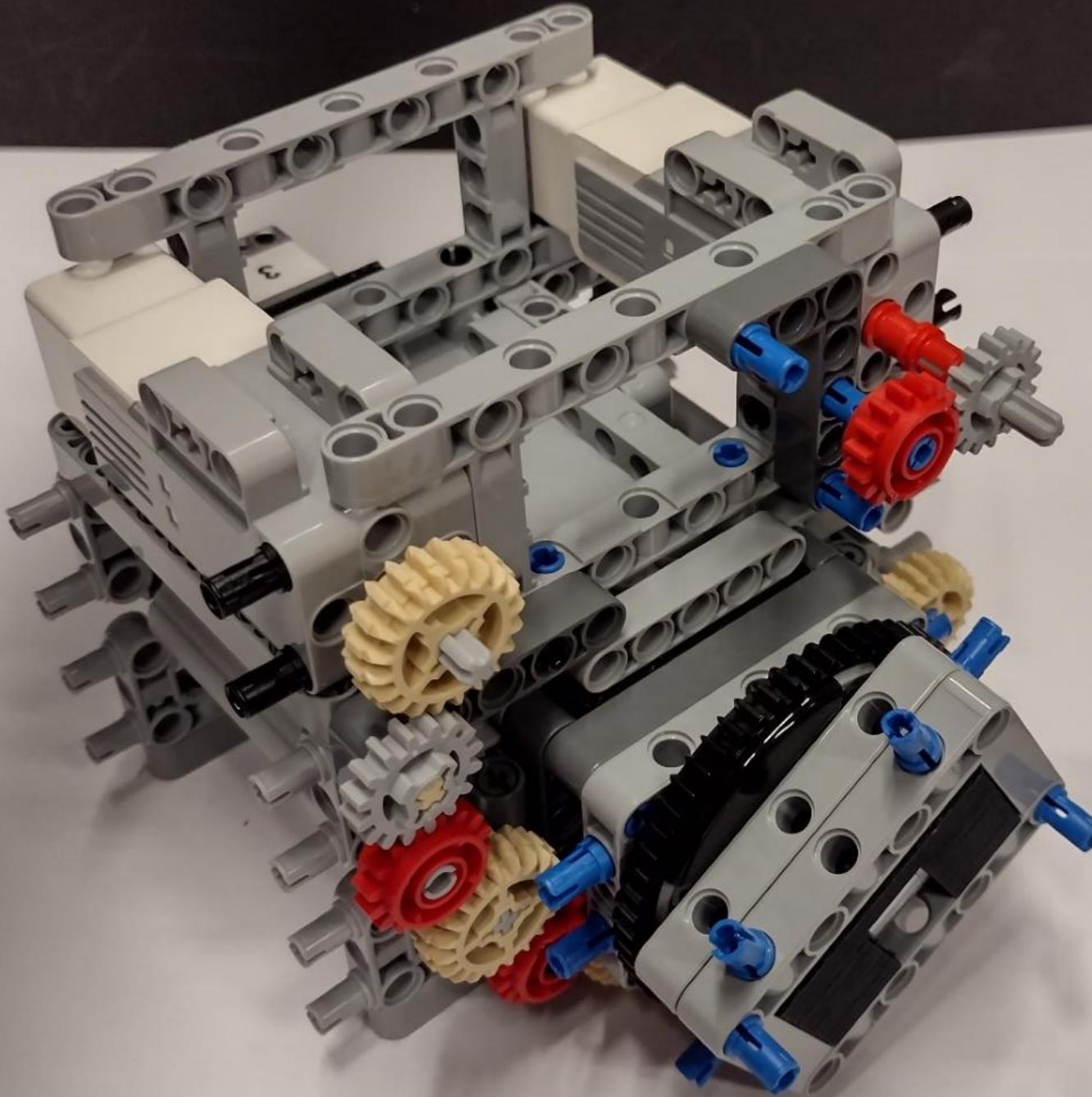
Focus and polarization motors



Receiver motorization

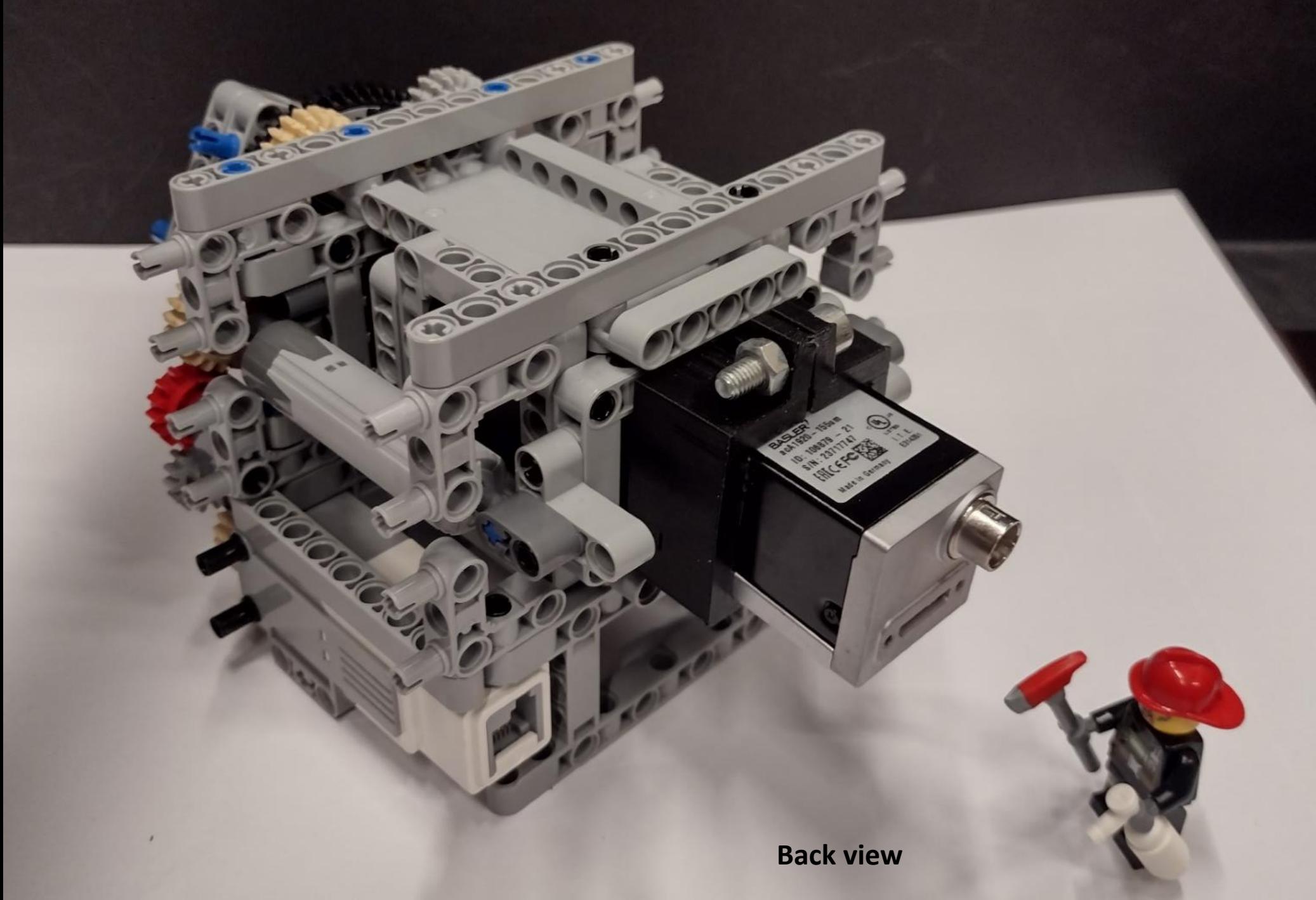


Receiver module



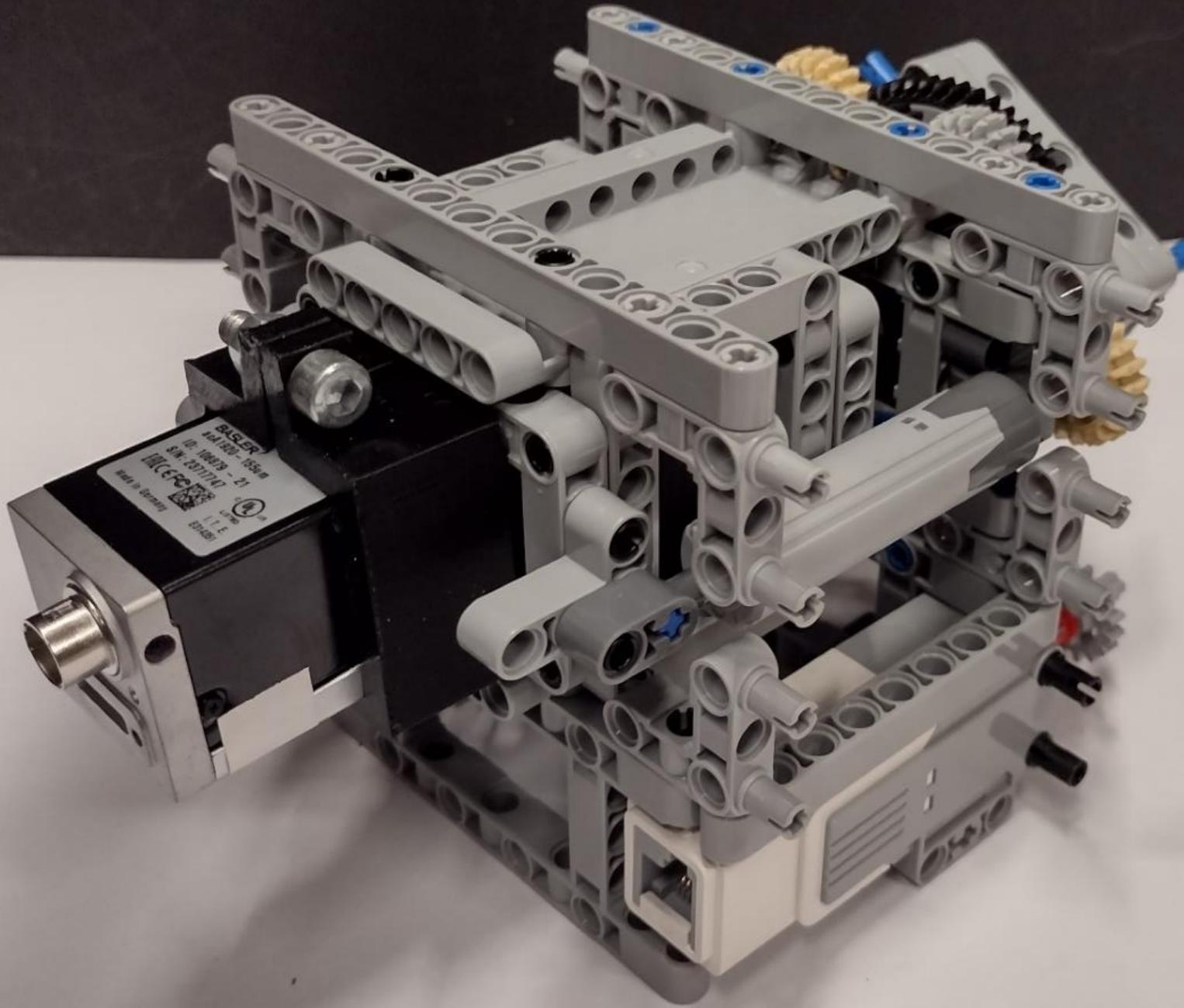
Bottom view

Receiver module



Back view

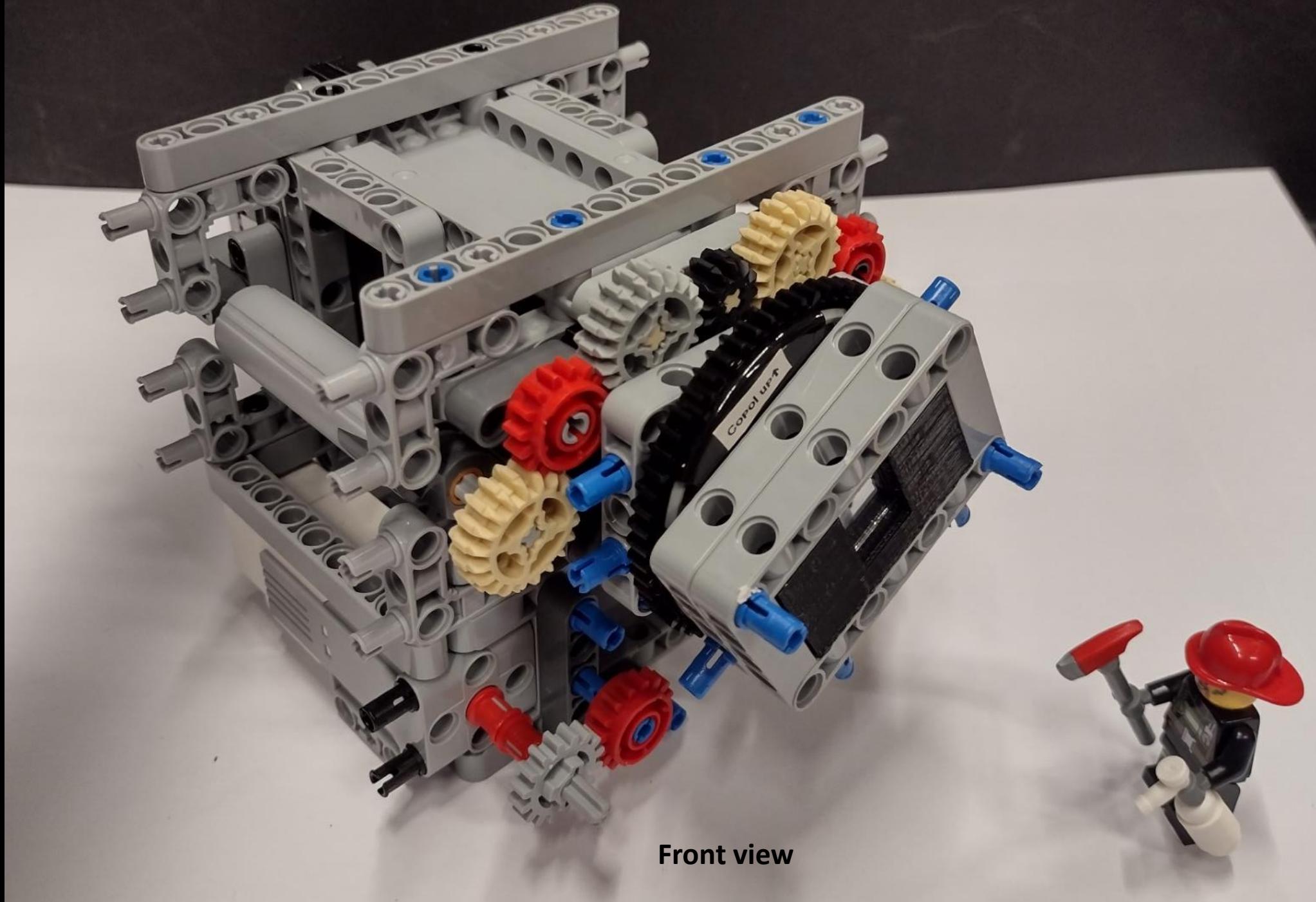
Receiver module



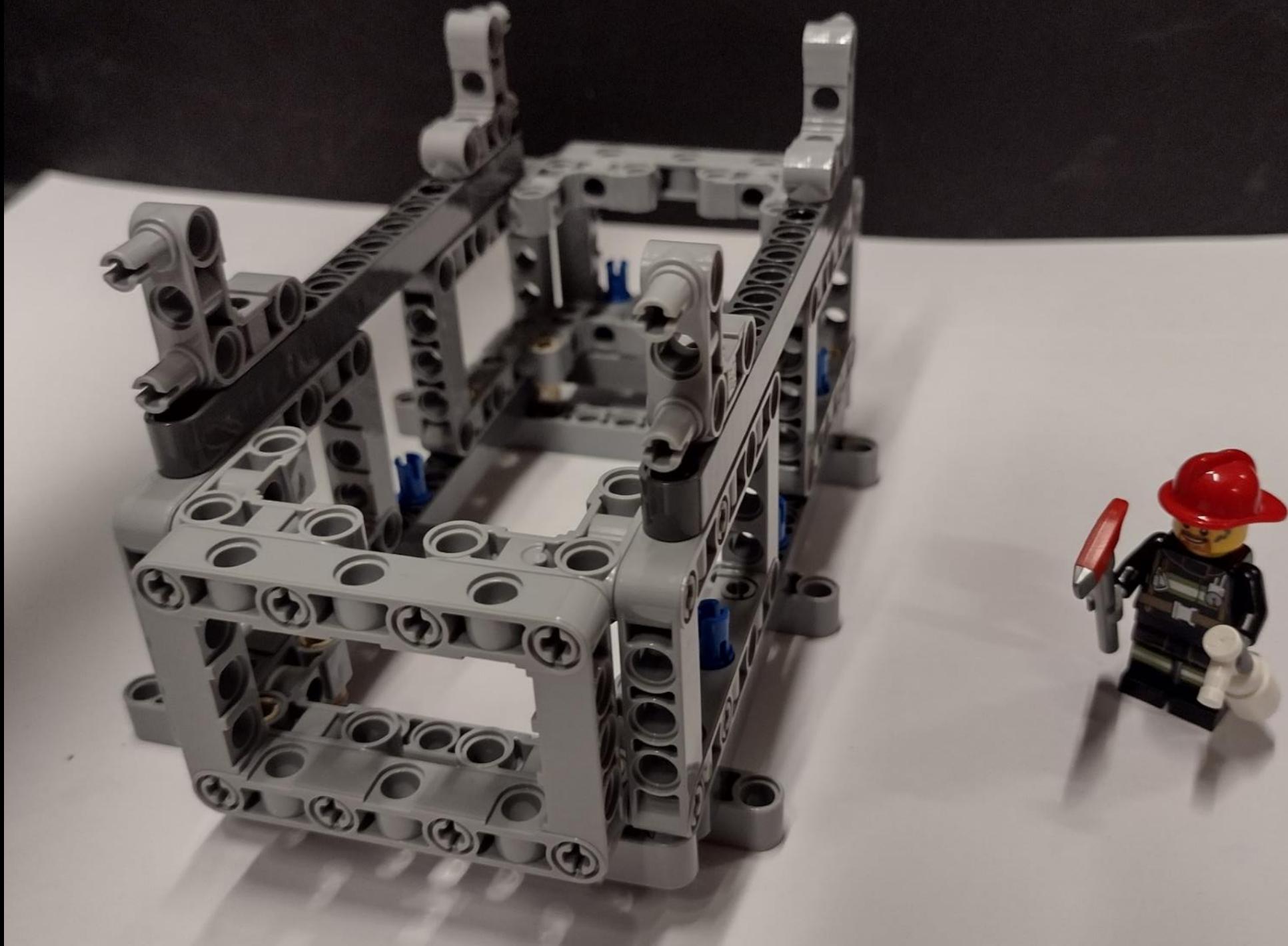
Back view



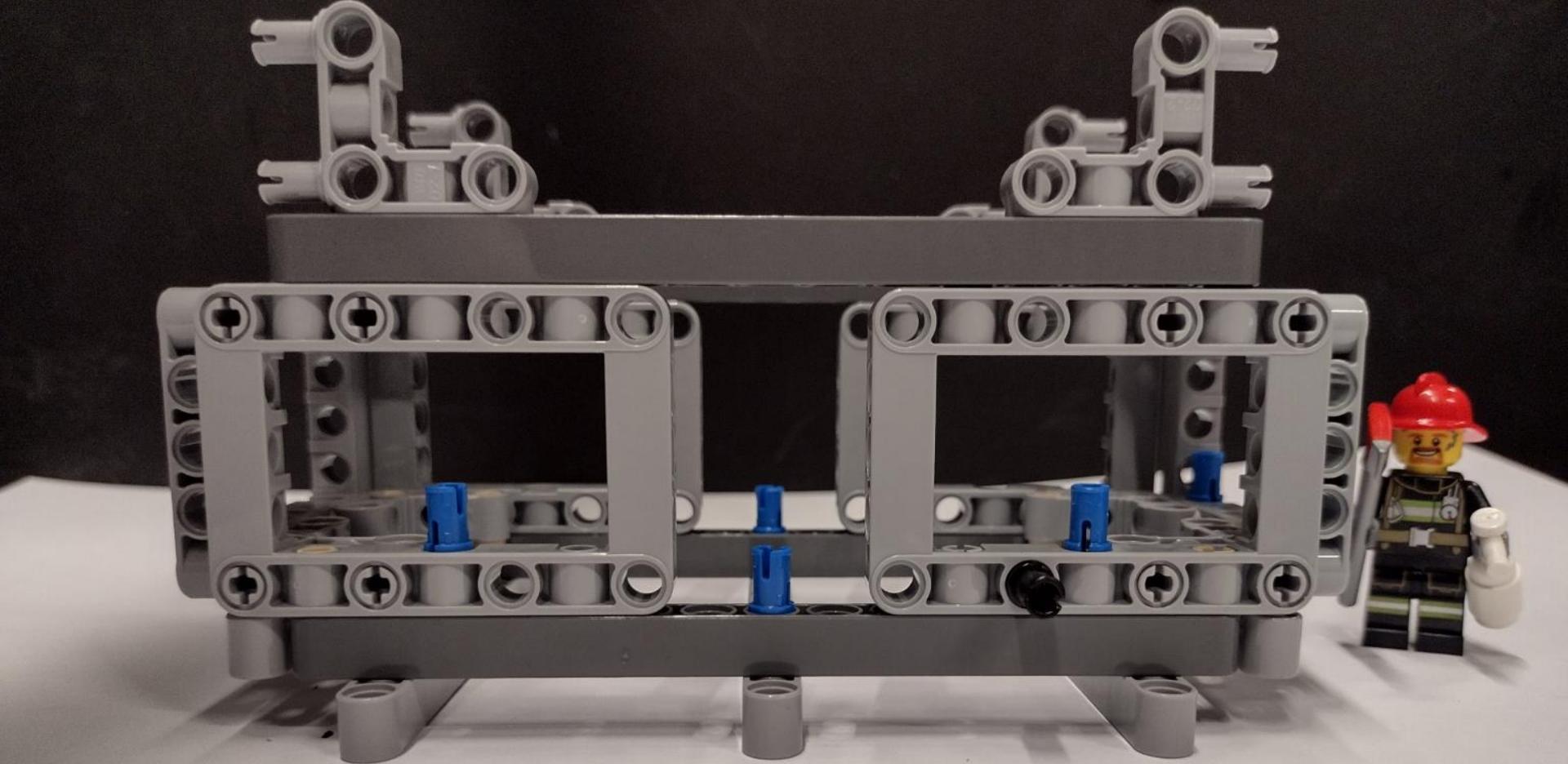
Receiver module



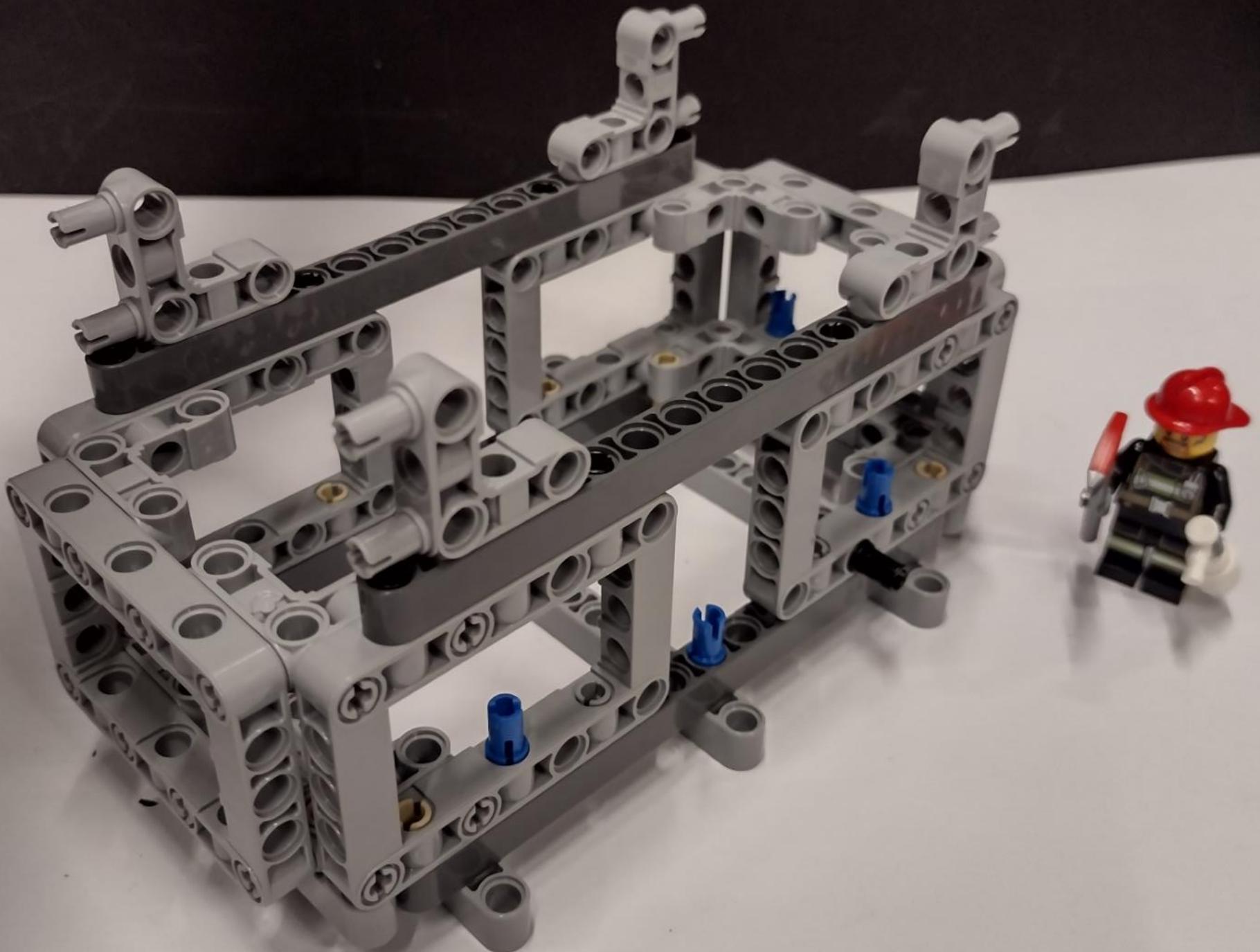
Receiver stand



Receiver stand



Receiver stand

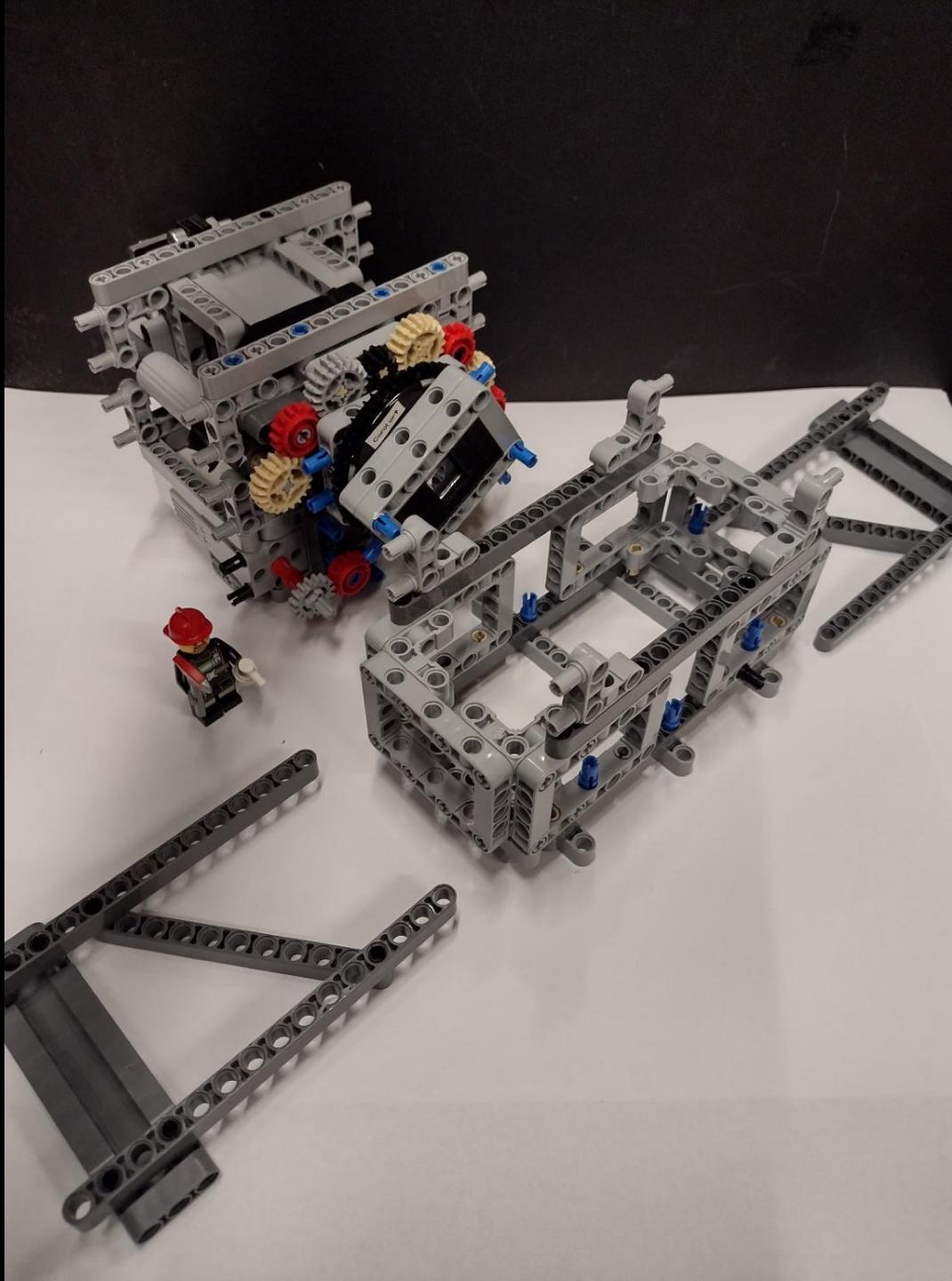


Receiver walls

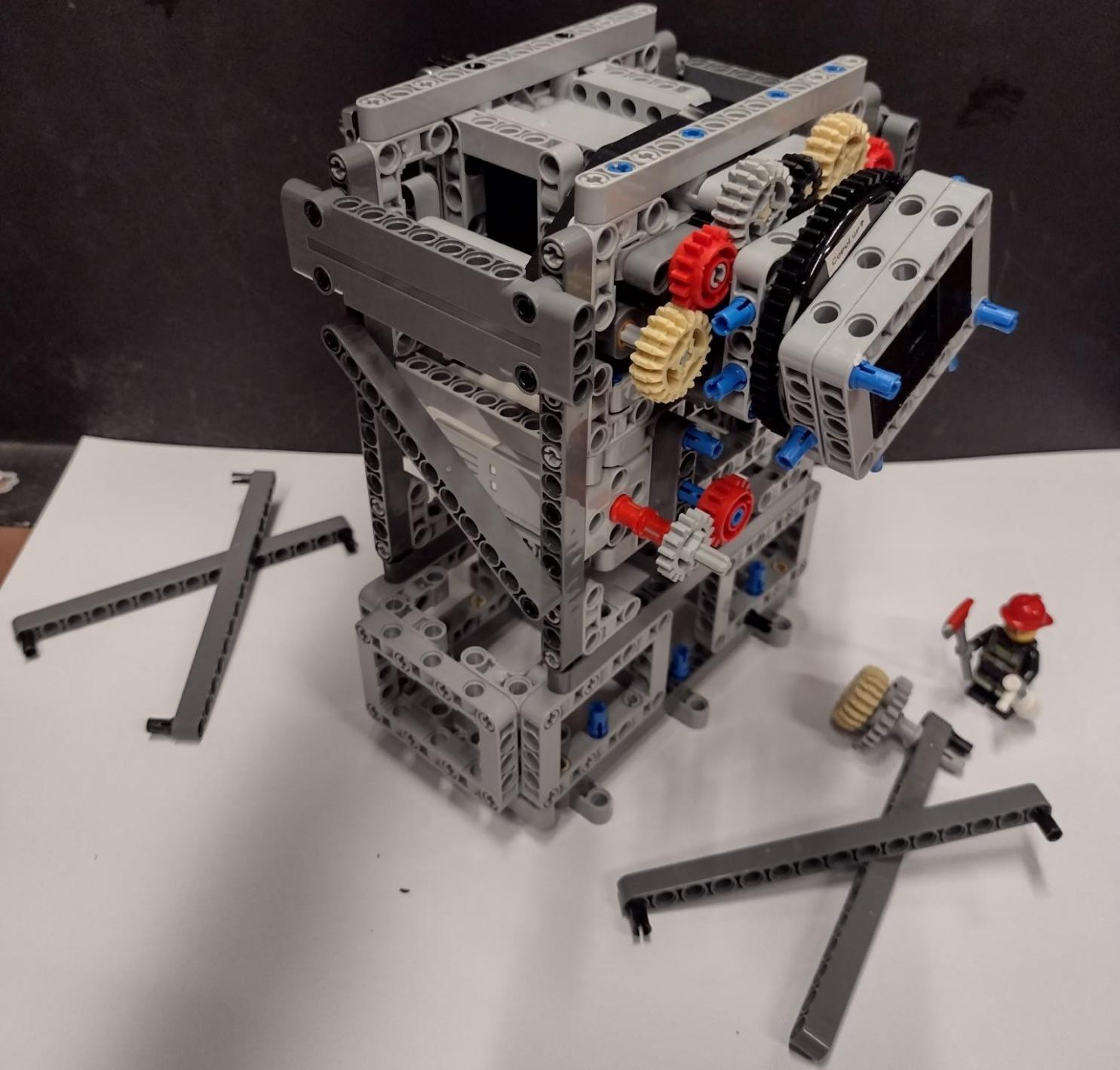


Inside view

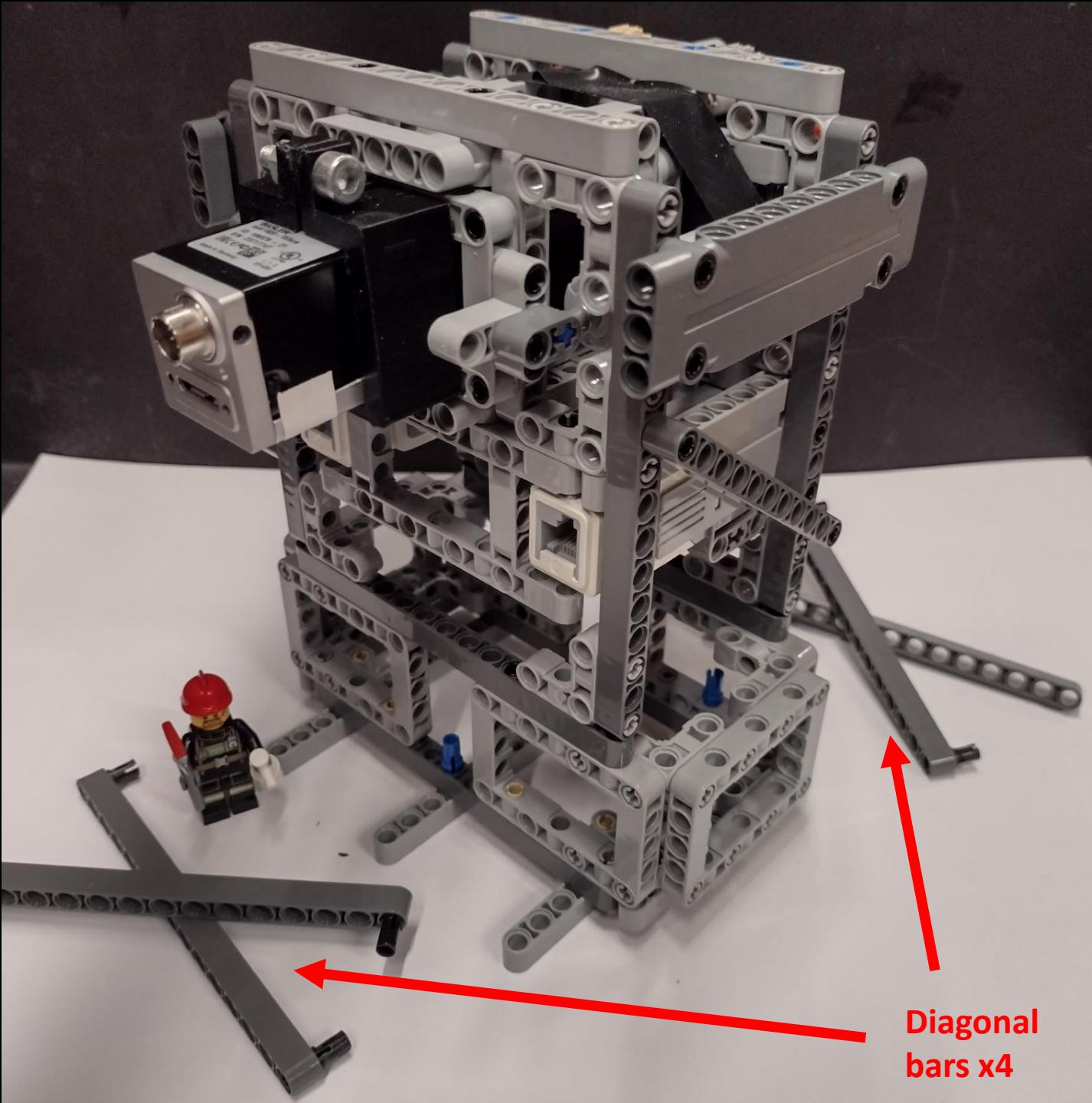
Receiver assembly



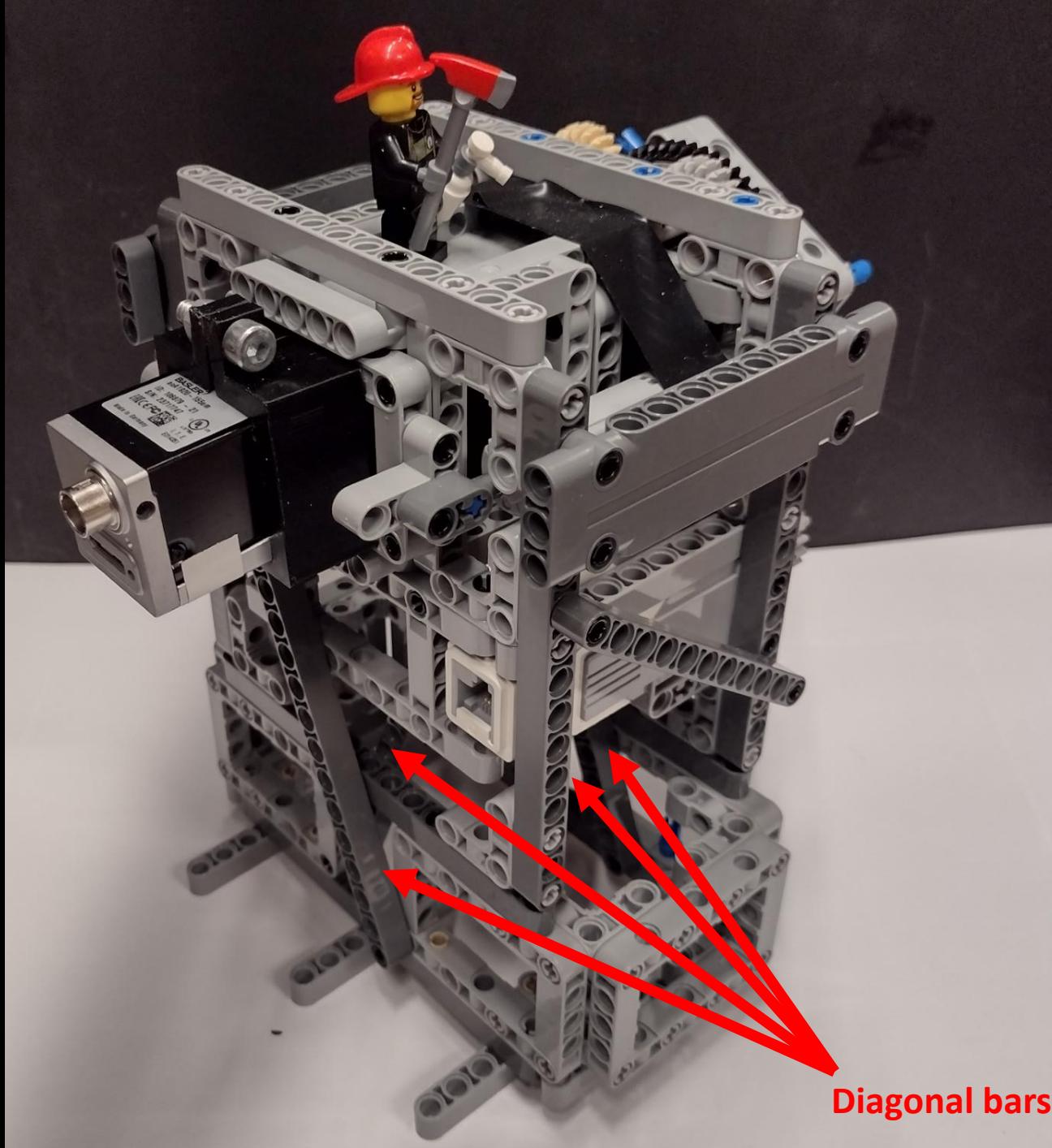
Receiver stabilization



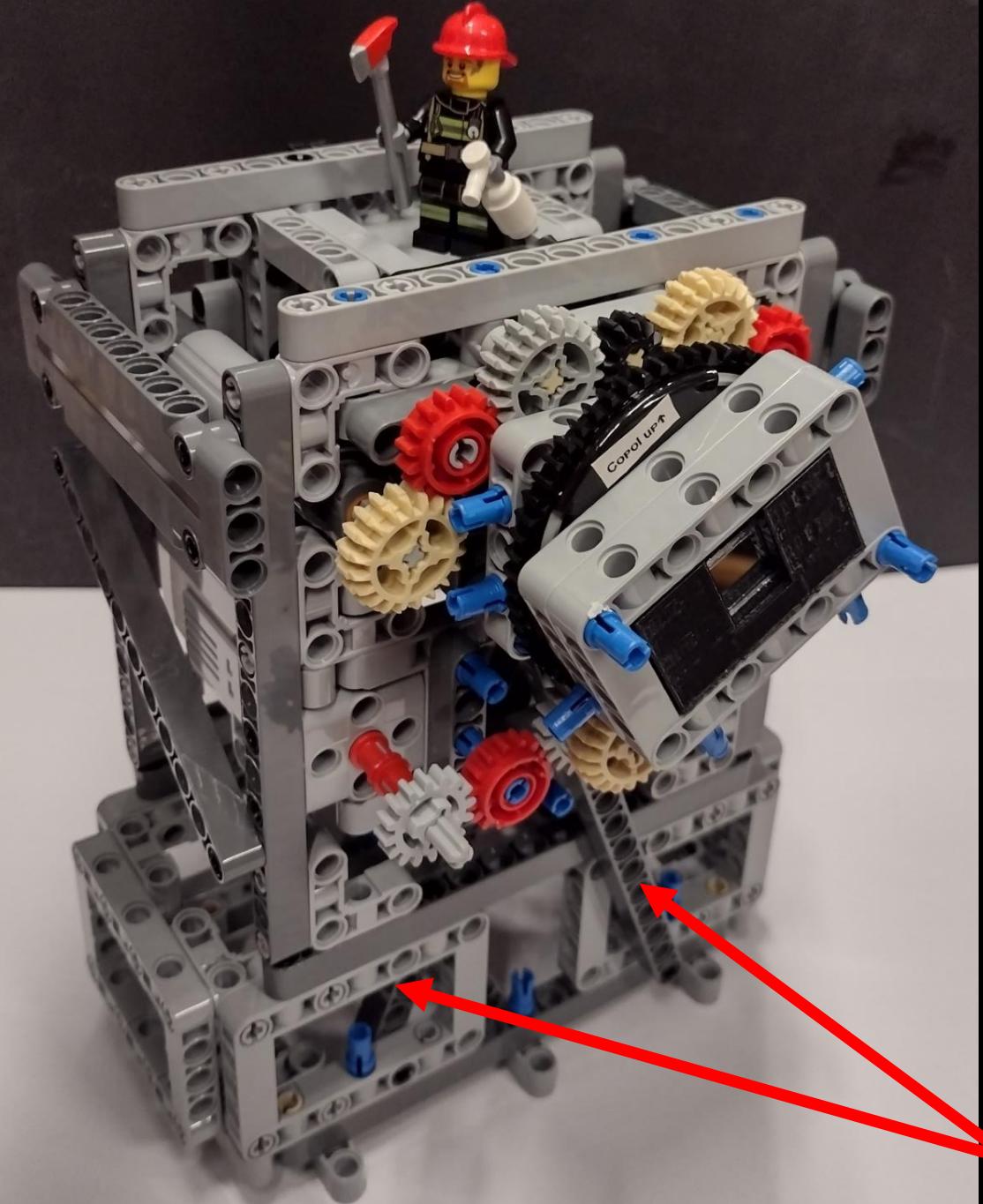
Receiver stabilization



Receiver module



Receiver module



Diagonal bars

Congratulations! You can now take 100.000.000 unique images of the same object!

CO-pol.
De-pol.

UV

VIS

NIR

