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RC Excavator - How To

69% COMPLETE

What We're Building



Sourcing Parts



Soldering



Uploading Code to
ESP32



3D Printing



Assembling Lower Body
& Track Support



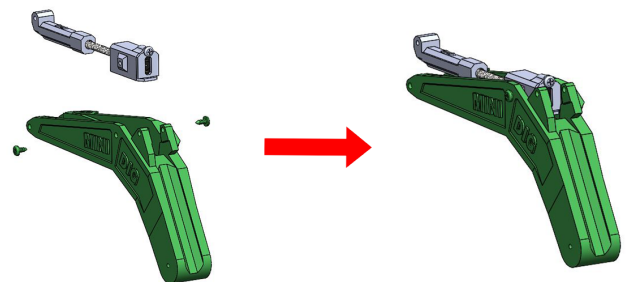
Boom & Dipper Assembly

Parts Required

- 2x 2.6x8mm Screws
- 4x 2.6x6mm Screws
- 1x 3D Printed Main Boom
- 1x 3D Printed Dipper

STEPS

1.) Mount a N20 motor with medium long wires plus a dipper and bucket push rod to the main boom using 2 2x6mm screws.



2.) Mount a N20 motor with long wires plus a dipper and bucket push rod to the top of the dipper using 2 2x6mm screws.

3.) mount a N20 motor with long wires plus a thumb push rod to the bottom of the dipper using 2 2x6mm screws.

Arm Assembly

Motor Holders and Push Rods

Boom & Dipper Assembly

Bucket Assembly

Thumb Assembly

Securing Arm to Chassis

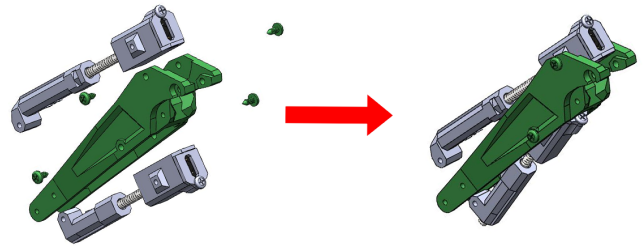
Main Boom N20 motor

Routing Wires

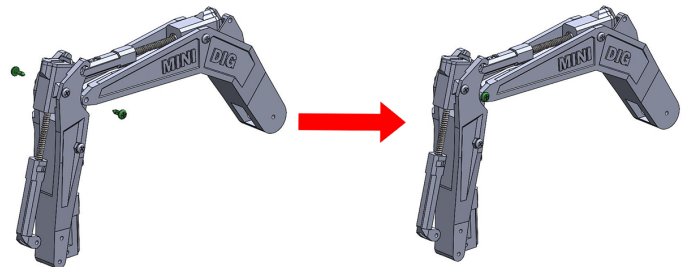
Cab Lights and Rear Cover

Test Drive

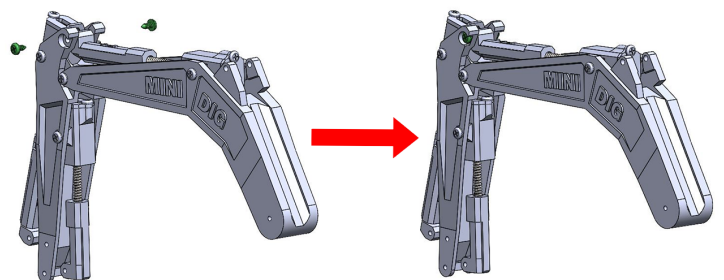
Attachments/Upgrades



3.) Attach the main boom to the dipper using 2 2x8mm screws (Make sure to not overtighten as it should be able to pivot freely).



4.) Attach the dipper to the N20 motor mounted to the main boom's push rod using 2 2x6mm screws.



5.) Route each motor's wires as shown (Your wires will likely be longer than what's shown in the photo) making sure to leave enough slack so that the arm can move freely.



COMPLETE AND CONTINUE

Country/Region

USD \$ | United States

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