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RC Excavator - How To

91% COMPLETE

What We're Building 

Sourcing Parts 

Soldering 

Uploading Code to ESP32 

3D Printing 

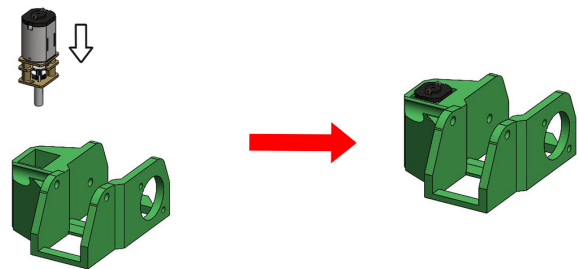
## Swing Left/Right Assembly

### Parts Required

- 4x 2.6x8mm Screws
- 1x 100RPM 12v N20 Motor
- 1x 3D Printed Pinion Gear for Excavator Rotation
- 1x 3D Printed Main Boom Holder
- 1x 3D Printed Lower Body
- 1x 3D Printed Swivel Lock

### STEPS

1.) Insert the N20 Motor into the 3D printed main boom holder



2.) With the motor in place press the 3D printed pinion gear onto the N20 motor from the bottom using just your hand and then if required either a vice or by gently tapping with a hammer the rest of the way on.

### Assembling Lower Body & Track Support ^

- ✔ Pressing Drive Gears onto N20 Motors
- ✔ Securing Drive Gears to Track Support

### Securing the Lower Frame to the Track Supports

### Swing Left/Right Assembly

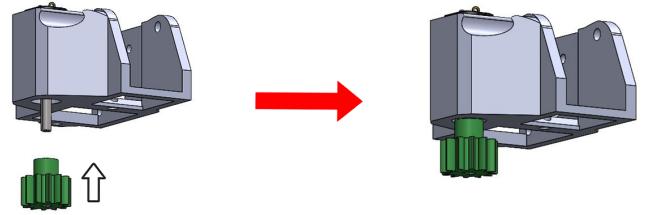
- ✔ Routing Wires and securing PCB

### Arm Assembly v

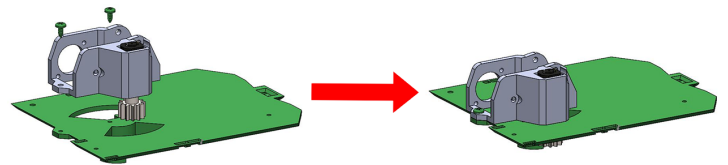
### Cab Lights and Rear Cover v

### Test Drive v

### Attachments/Upgrades v



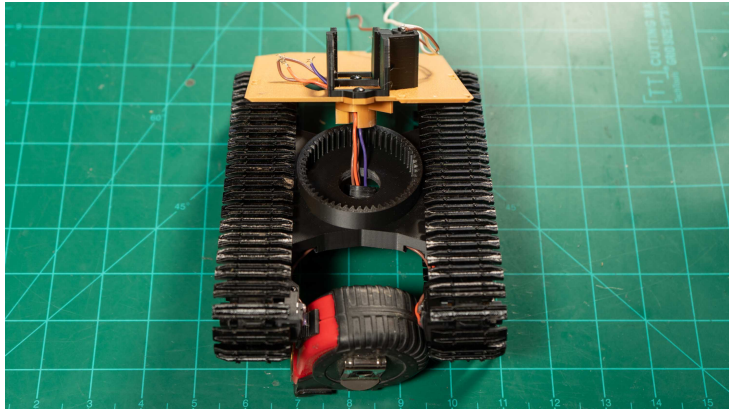
3.) Secure the main boom holder to the lower body using 2x 2x6mm Screws.



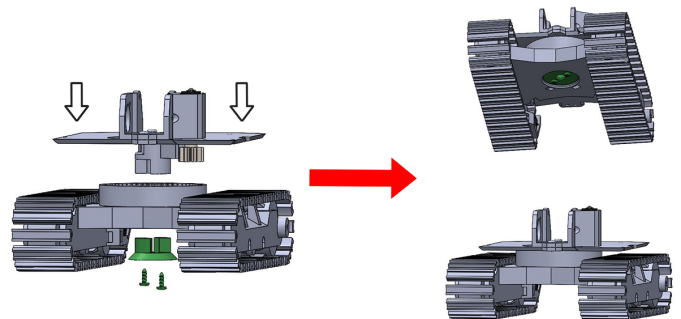
4.) Route the N20 Motor wires coming from the tracks through the center of the swivel lock.



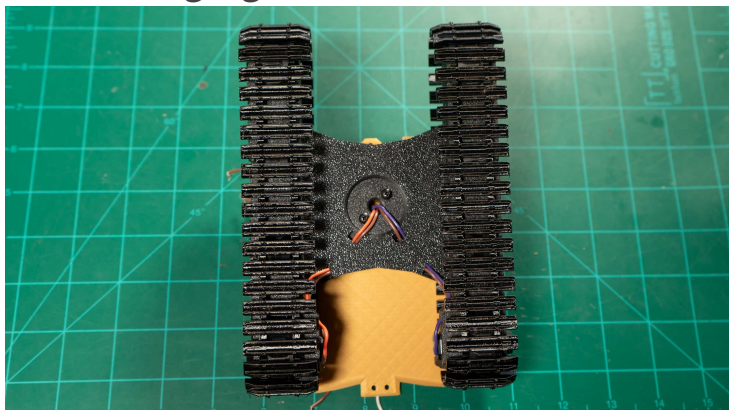
5.) Press the lower body down onto the lower frame while routing the track N20 motor wires up through the tall vertical shaft.



6.) Press the swivel lock into place so that it properly meshes with the lower body and secure with 2x 2x8mm screws.



7.) Make sure to pull the wire out as much as you can so that there isn't too much hanging below the swivel lock.



COMPLETE AND CONTINUE

Country/region

USD (\$) | United States

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