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RC Excavator - How To

91% COMPLETE

What We're Building

Sourcing Parts

Soldering

Uploading Code to ESP32

3D Printing

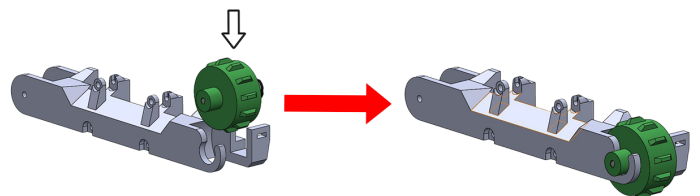
Securing Drive Gears to Track Support

Parts Required

- 4x 2.6x8mm Screws
- 10x 2.6x6mm Screws
- 2x Drive Gear assemblies(What we made in the previous step)
- 4x 3D Printed Upper Track Rollers
- 4x 3D Printed Lower Track Roller
- 2x 3D Printed Track Motor Lock
- 2x 3D Printed Track Support
- 2x 3D Printed Drive Gear(No Motor)

STEPS

1.) Press the drive gear assembly down onto the track support(should pop into place).



2.) Lock the exposed portion of the N20

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

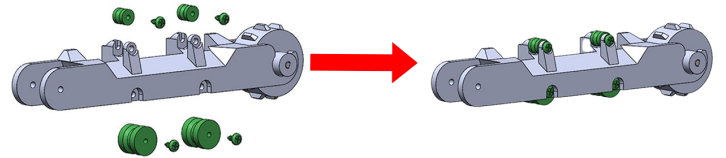
Test Drive v

Attachments/Upgrades v

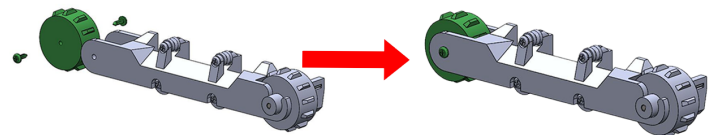
motor down into place using a 3D Printed Track Motor Lock and 2x6mm Screw.



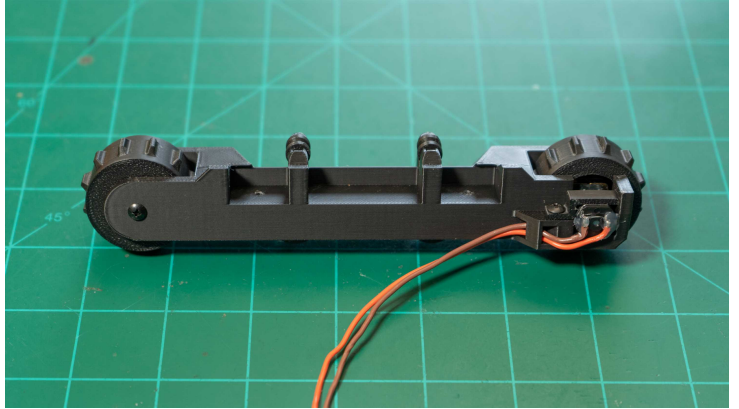
3.) Secure 2 upper and lower track rollers to the track support using 4 2x6MM screws.



4.) Secure the Drive Gear (No Motor) to the track support using 2 2x8mm screws.



5.) Route the N20 motor wires through the wire holders as shown.



6.) Repeat all the above steps for the remaining track support.

WARNING: Make sure to not overtighten any of the track rollers or drive gears(No Motors) as we want these to be able to spin freely.

COMPLETE AND CONTINUE