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RC Excavator - How To


91% COMPLETE

What We're Building 

Sourcing Parts 

Soldering 

Uploading Code to  
ESP32 

3D Printing 

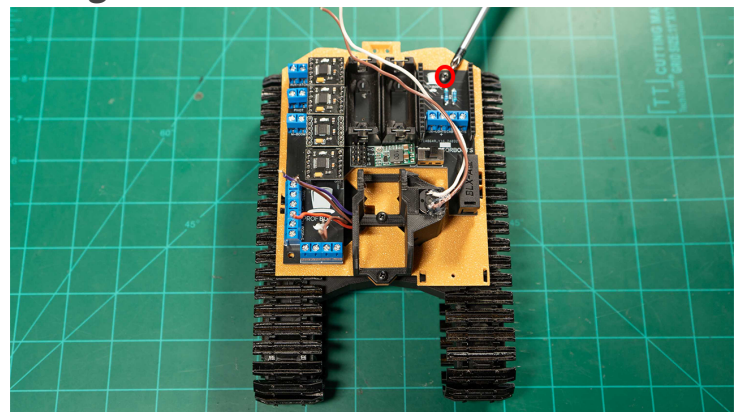
## Routing Wires and securing PCB

### Parts Required

- 1x 2.6x6mm Screw
- 1x ProfessorBoots Completed PCB

### STEPS

1.) Place the PCB so that the motor wires come up over the side and then secure the rear left corner into place using 1x 2x6mm screw.



2.) Route the wires from the track and pivot motors into their respective terminal blocks for L-MTR, R-MTR and PIVOT. For the track wires you may have to push and pull on each individual wire to determine which wires go to which motor. For every terminal block on this PCB, the correct

**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

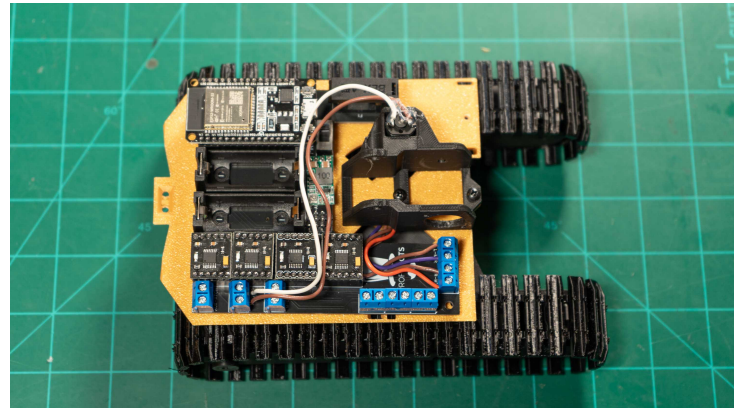
**Arm Assembly** v

**Cab Lights and Rear Cover** v

**Test Drive** v

**Attachments/Upgrades** v

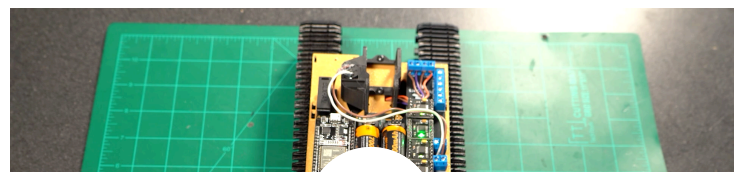
orientation is to have the positive wire on the right. You may also now populate the ESP32 development board.



3.) With the wires secured make sure everything is populated correctly on your PCB, input the fenix batteries and power it on by moving the switch to the on position and by pressing the P3 center button on your PS3 controller.



4.) Verify that the motors move in the correct direction by pressing the front triggers and bumpers. The bumpers should be forward and triggers should be reverse. The pivot should swing left and right via the left joystick left and right.





COMPLETE AND CONTINUE

Country/Region

United States

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