



# Ryze Tello Motor Replacement

Replacing the motors in the Ryze/DJI Tello drone

Written By: Benedikt Haak

- ✓ **solder 1.25mm connectors**
- ✓ **black -> black, white -> white**
- ✓ **blue -> black, red -> blue**



## INTRODUCTION

This a motor replacement guide for the Ryze/DJI Tello. It require fine soldering and very careful motor installation.

After installation of the motor connectors, future motor swap will be much easier.



### TOOLS:

- [Soldering Iron](#) (1)
- [Glue Gun](#) (1)
- [Small Needle Nose Pliers](#) (1)



### PARTS:

- [CL-0820-15 motors](#) (1)



## Step 1 — install motor connectors



- - pull motor wires out of the arm/mount (does not require opening the drone or removing any screws). Pull the motor out of the motor mount, not out of the main body.
- black -> black, white -> white
- blue -> black, red -> blue

## Step 2 — install motors into mounts



- - fold wires to the side of the motor
- wires should be parallel and straight
- each wire aligns with a small groove, or both wires together in one of the larger grooves
- for neater installation, wrap wires around the arms so that the connectors are meeting between the two struts of each arm

### Step 3 — remove pinions and install motors



- remove the white pinions and discard, e.g. with small pliers or flat screw driver. Dont bend the shaft, be careful!
- install propellers
- CW - front/left & rear/right
- CCW - rear/left & front/right

Motor plugs should have been a factory default!