

uStepper

Mounting instructions

Microcontroller, stepper driver and encoder in an ultra-compact design!

Mounting

Follow the steps below to mount uStepper on a Nema 17 size stepper motor.

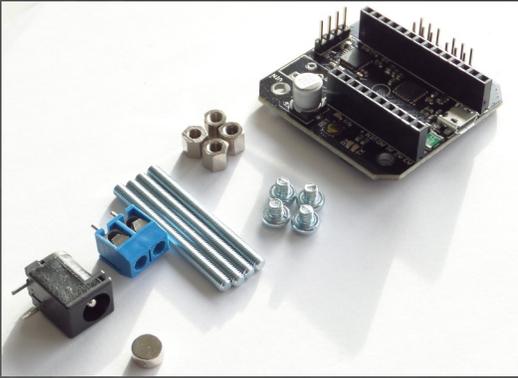


Fig.1: The uStepper contains the items shown on the above picture and 3 jumpers.

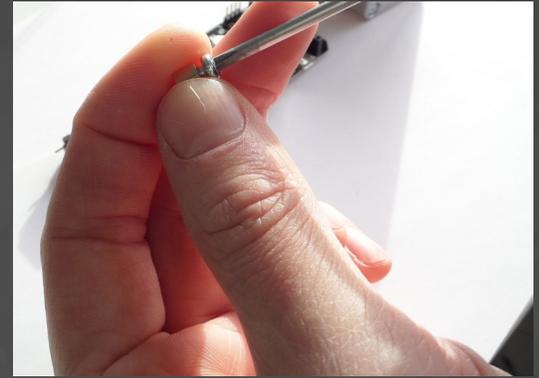


Fig.2: Insert mounting screw into stand-off.

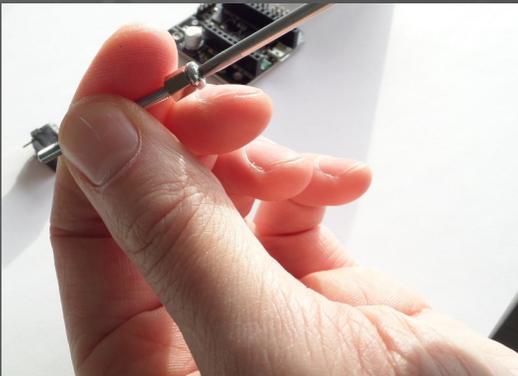


Fig.3: Insert rod into stand-off and tighten.

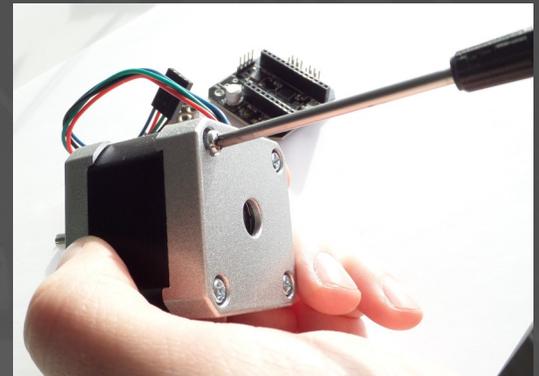


Fig.4: Unscrew one of the screw in the stepper motor.

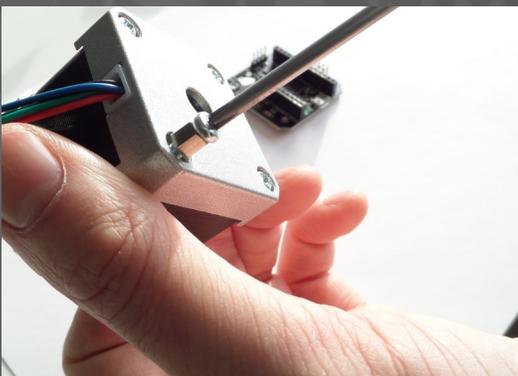


Fig.5: Screw the assembly of rod, stand-off and philips screw into the motor. Make sure NOT to over-tighten!

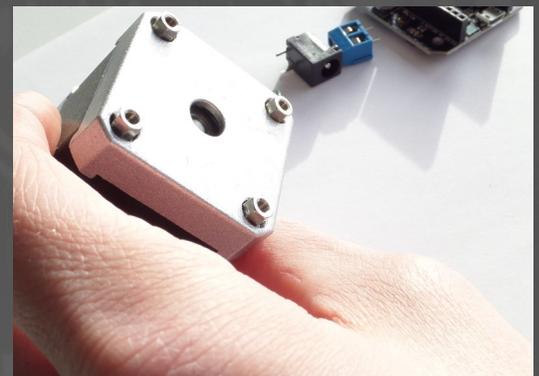


Fig.6: Repeat the above steps for the remaining four screws and your stepper should look like this.

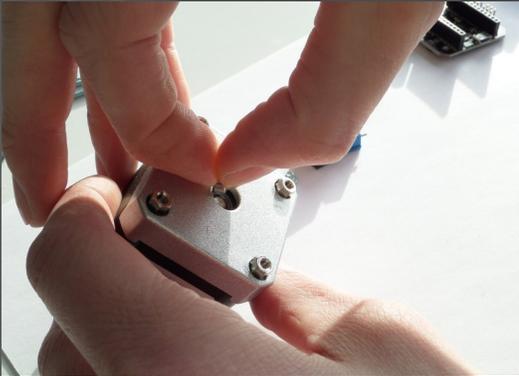


Fig.7: Place the magnet on the shaft in the back of the stepper motor.

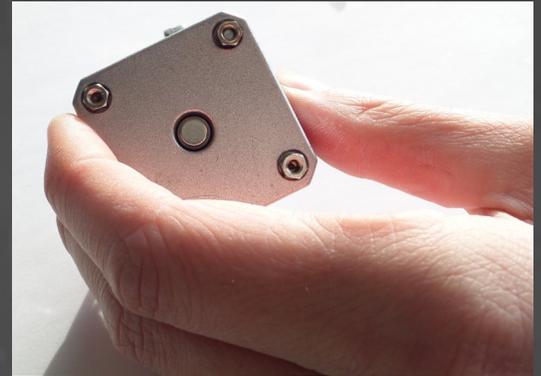


Fig.8: The magnet should snap in and align with the shaft center.

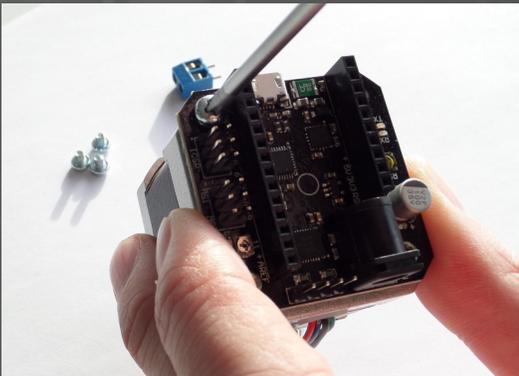


Fig.9: Now mount the uStepper PCB with the philips screws.

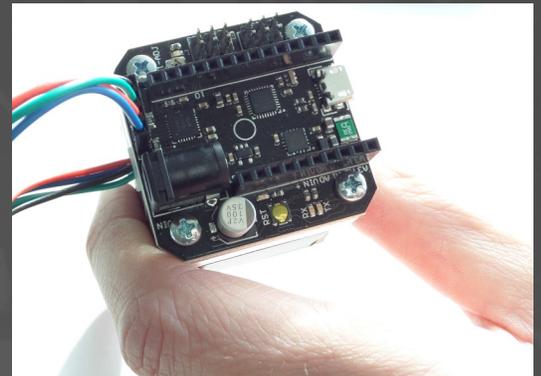


Fig.10: After mounting the remaining screws you are done.

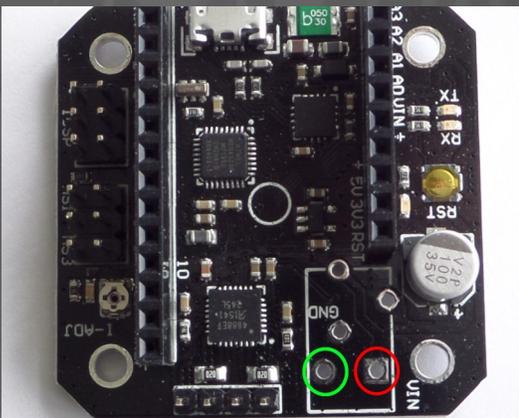


Fig.11: Using screw terminals or leads. Green = GND and Red = 8 - 24 V.

Before turning on the power, make sure that you have connected the leads correctly and that the source provides a DC supply between 8 and 24 V.

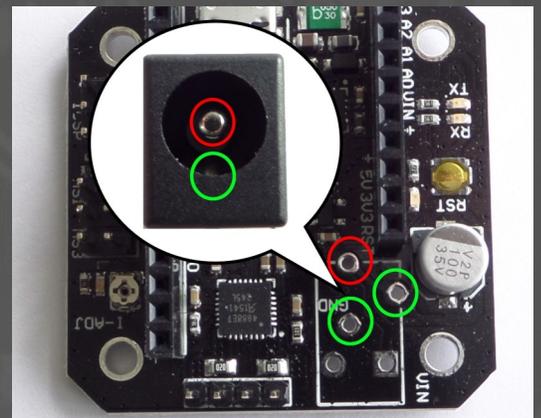


Fig.12: Using DC jack. Green = GND and Red = 8 - 24 V.

Disclaimer

ON Development IVS can not be held responsible for any damage inflicted upon mounting or interfacing with the uStepper board. This also includes damage to stepper motor (both electrical and mechanical) or any other 3rd party hardware connected to uStepper. Most stepper motor cases are made of aluminum, and care must be taken when preparing the mountings for uStepper.

By using the uStepper products you acknowledge that ON Development IVS can not be held responsible for any injuries and/or damage to any 3rd party hardware that may occur when using the uStepper products.

Detailed description, design files and examples can be found on www.uStepper.com

Contact

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