

Assemble Guide Stepper Motor Current Criterion



A Leading Provider of Smart, Connected and Secure Embedded Control Solutions



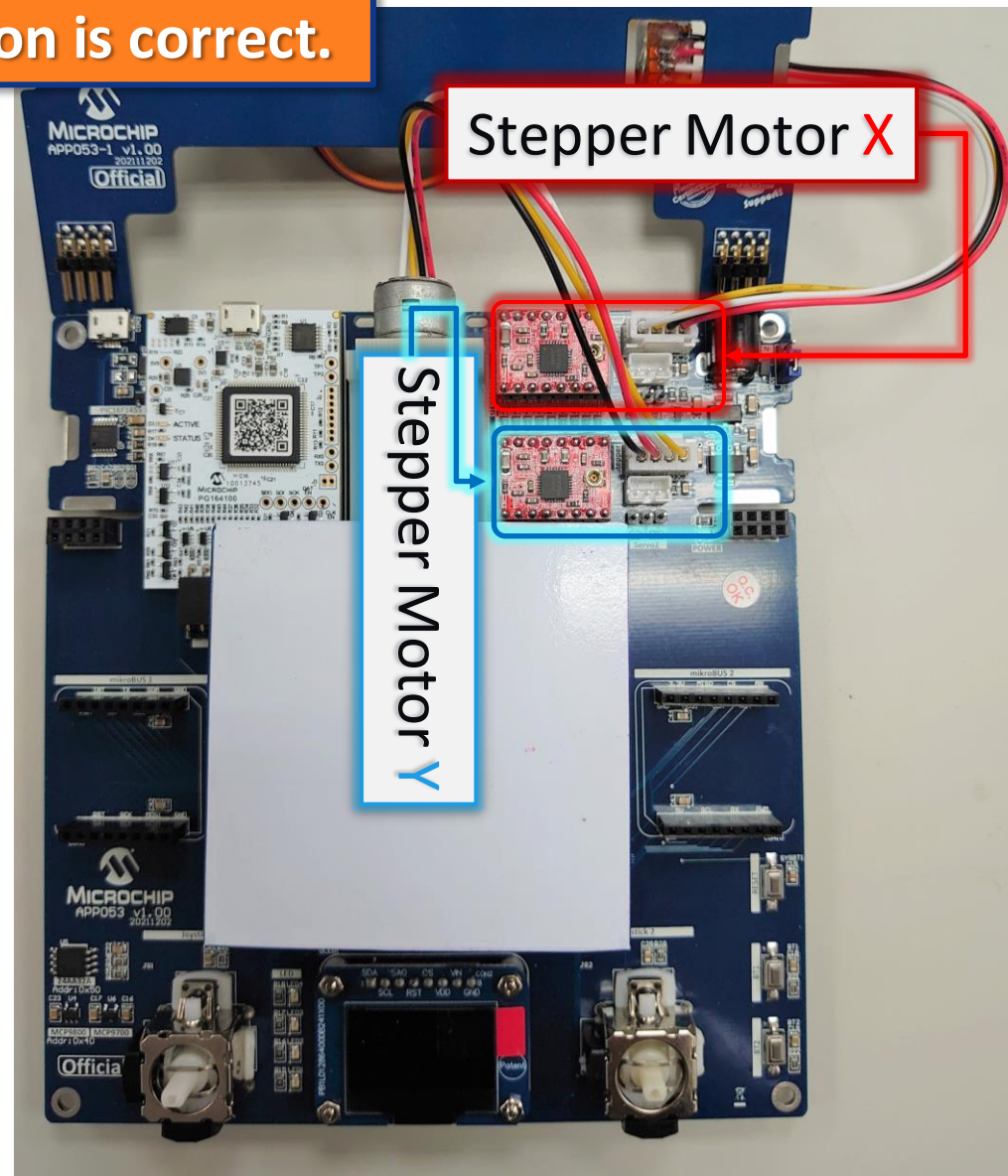
SMART | CONNECTED | SECURE

CAE Taiwan Team

Aug. 2022

Setting

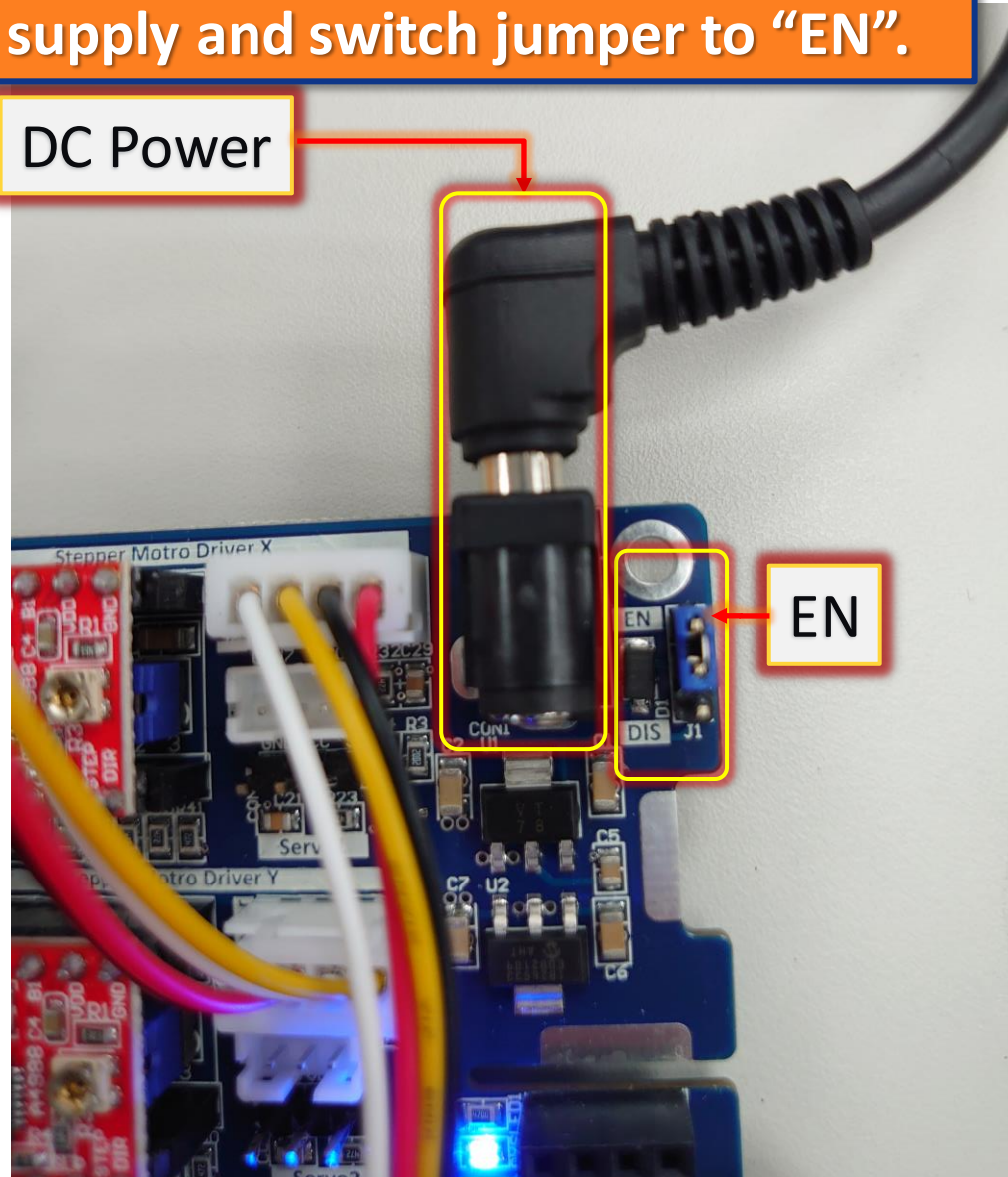
1. Check the connection is correct.



Setting

2. Connect the power supply and switch jumper to “EN”.

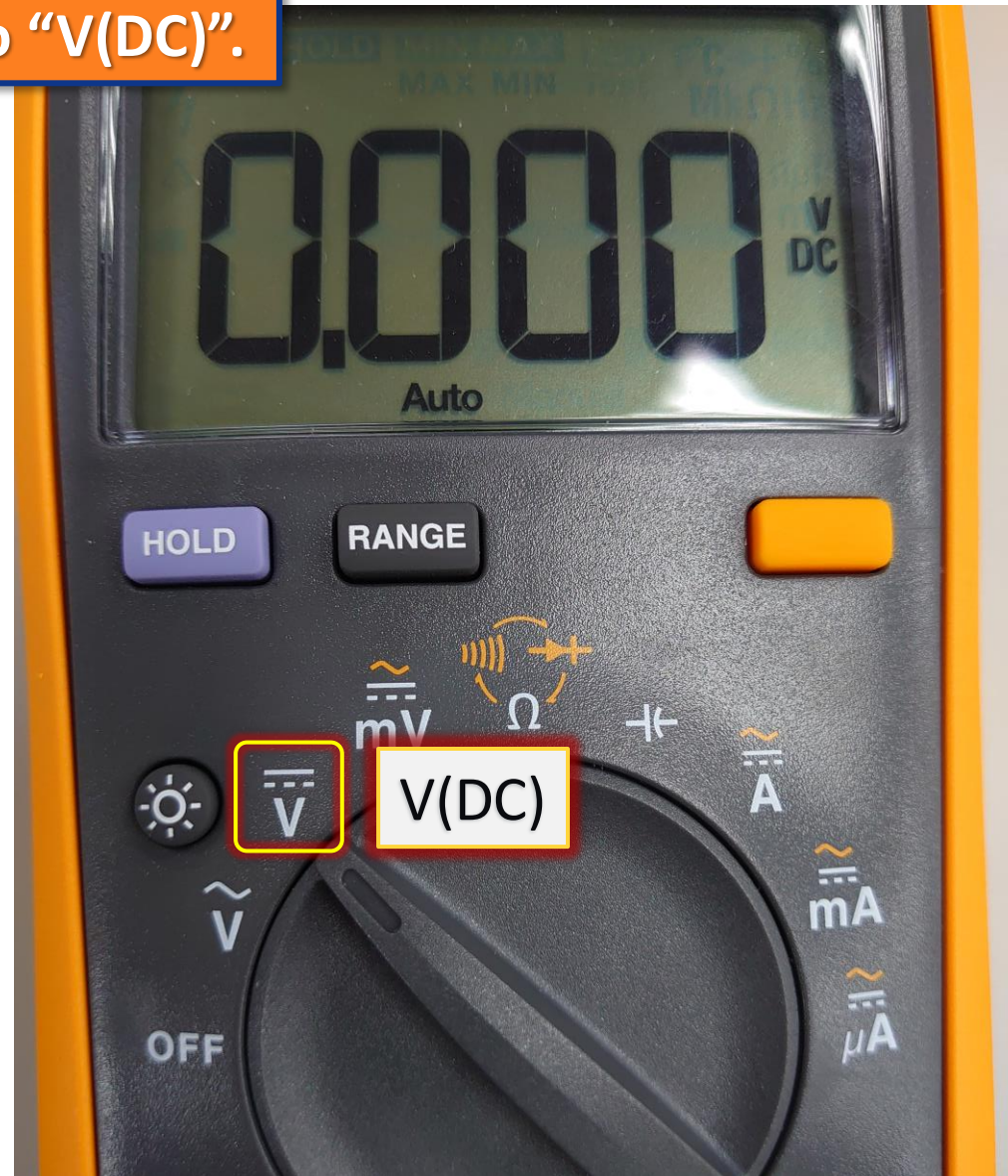
DC Power



EN

Setting

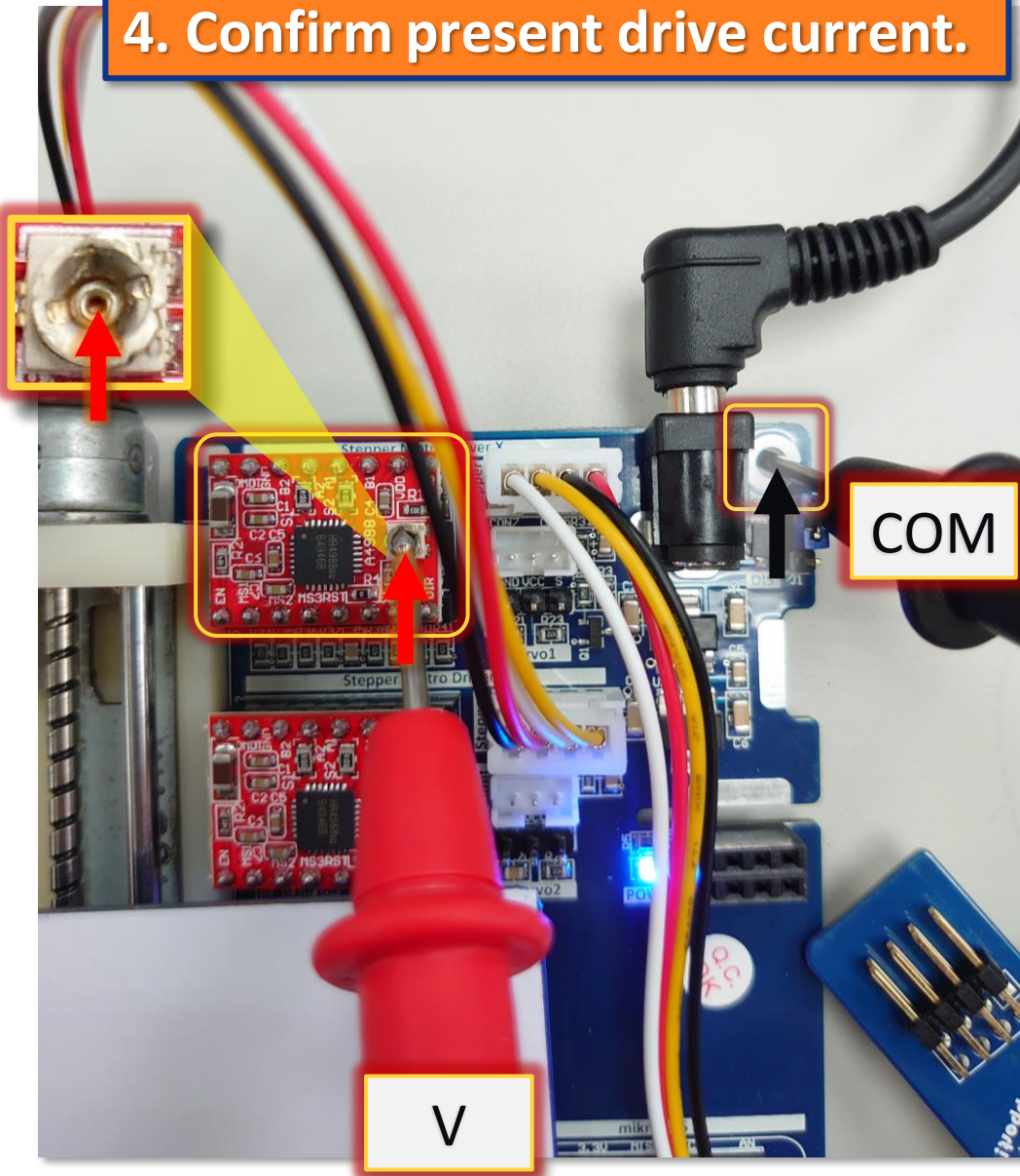
3. Switch the meter to “V(DC)”.



Current Output Regulation

4. Confirm present drive current.

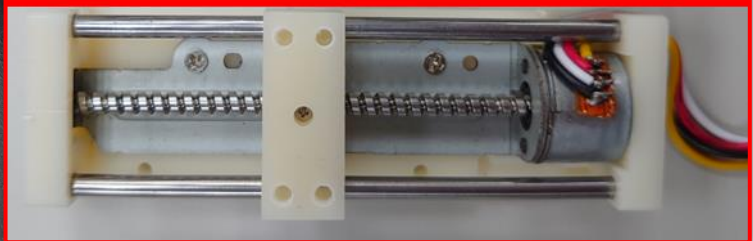
Please confirm your
stepper motor type first!!



Make sure voltage < 450mV (0.45V).

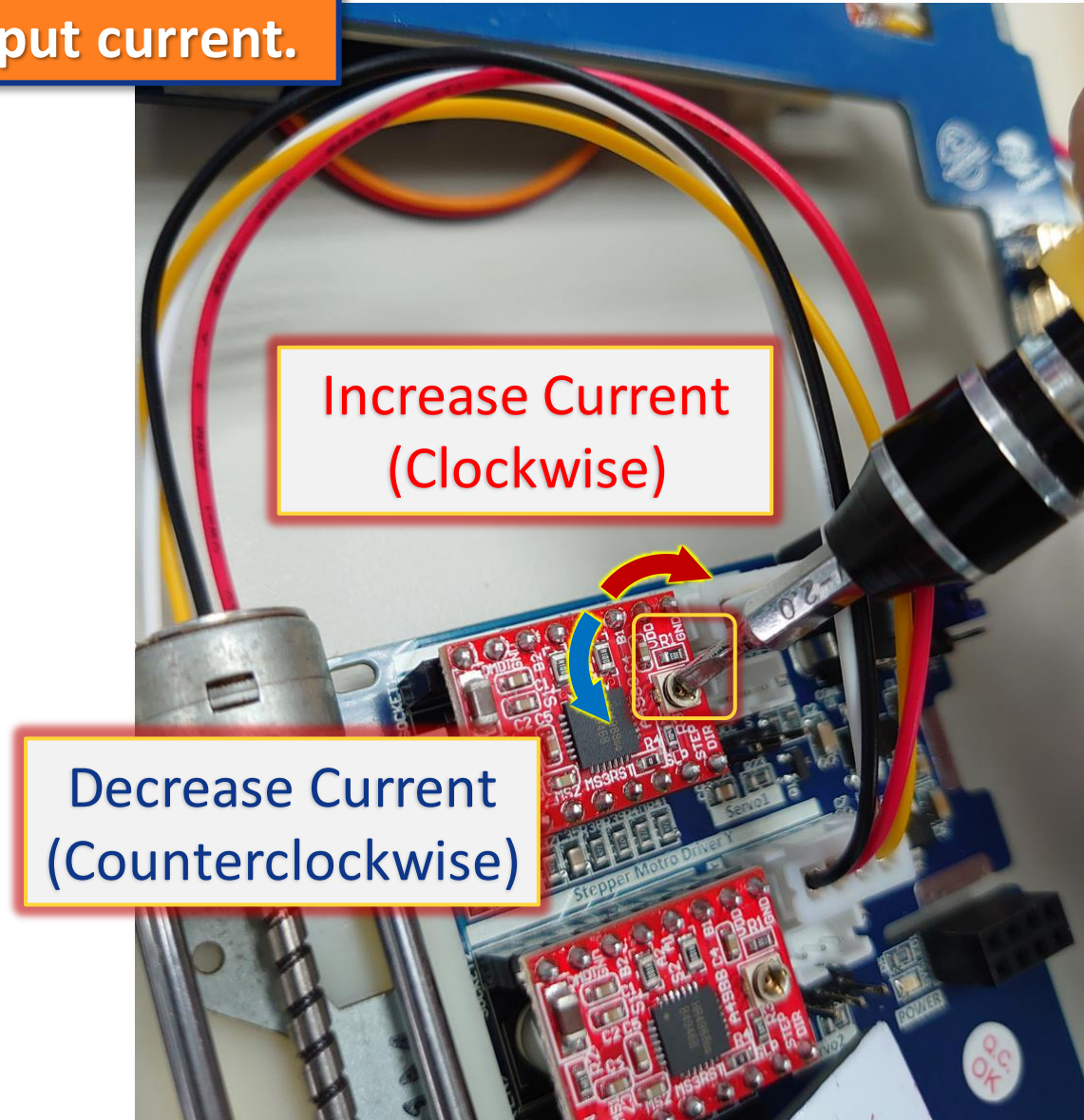


Make sure voltage < 300mV (0.3V).



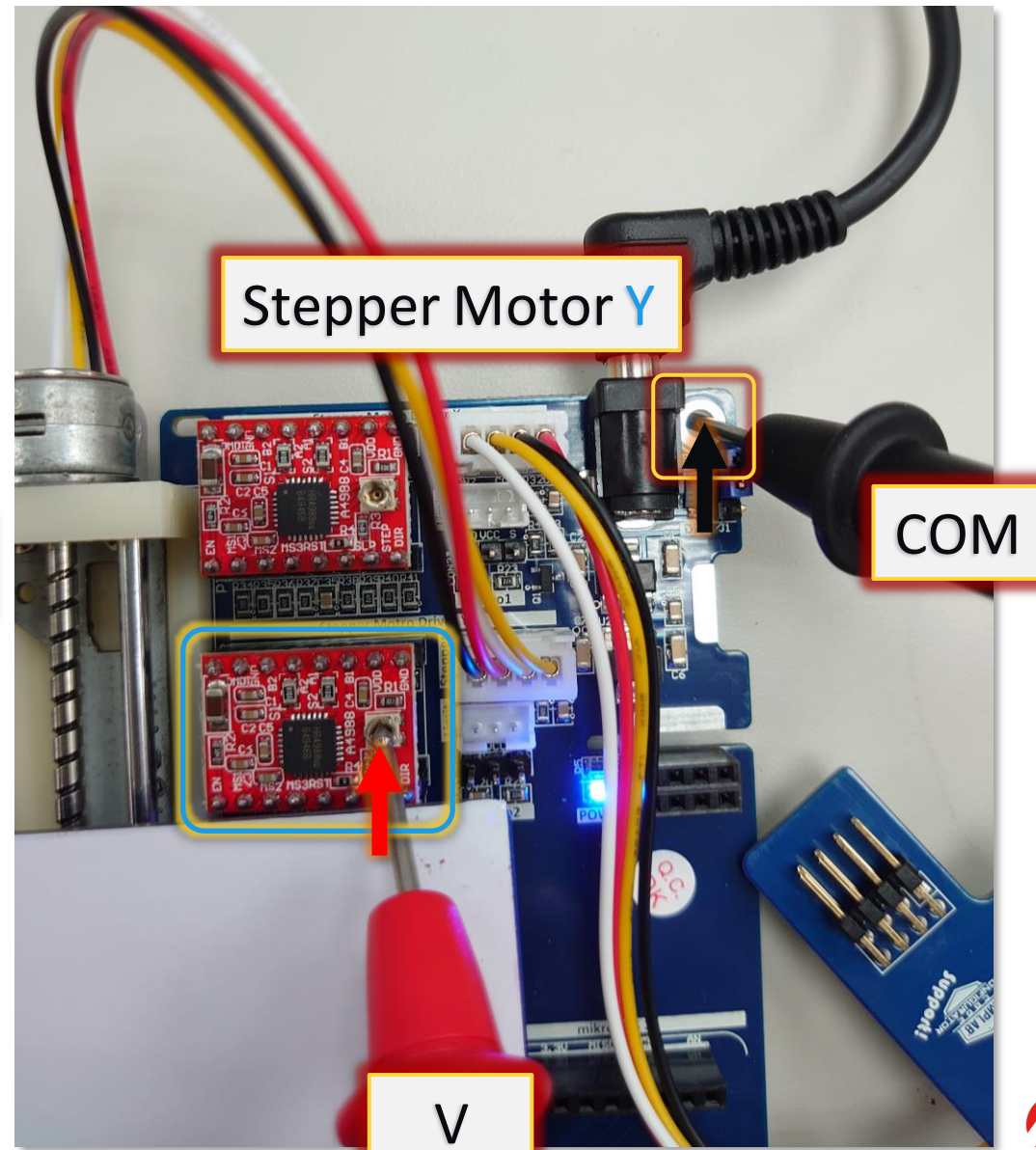
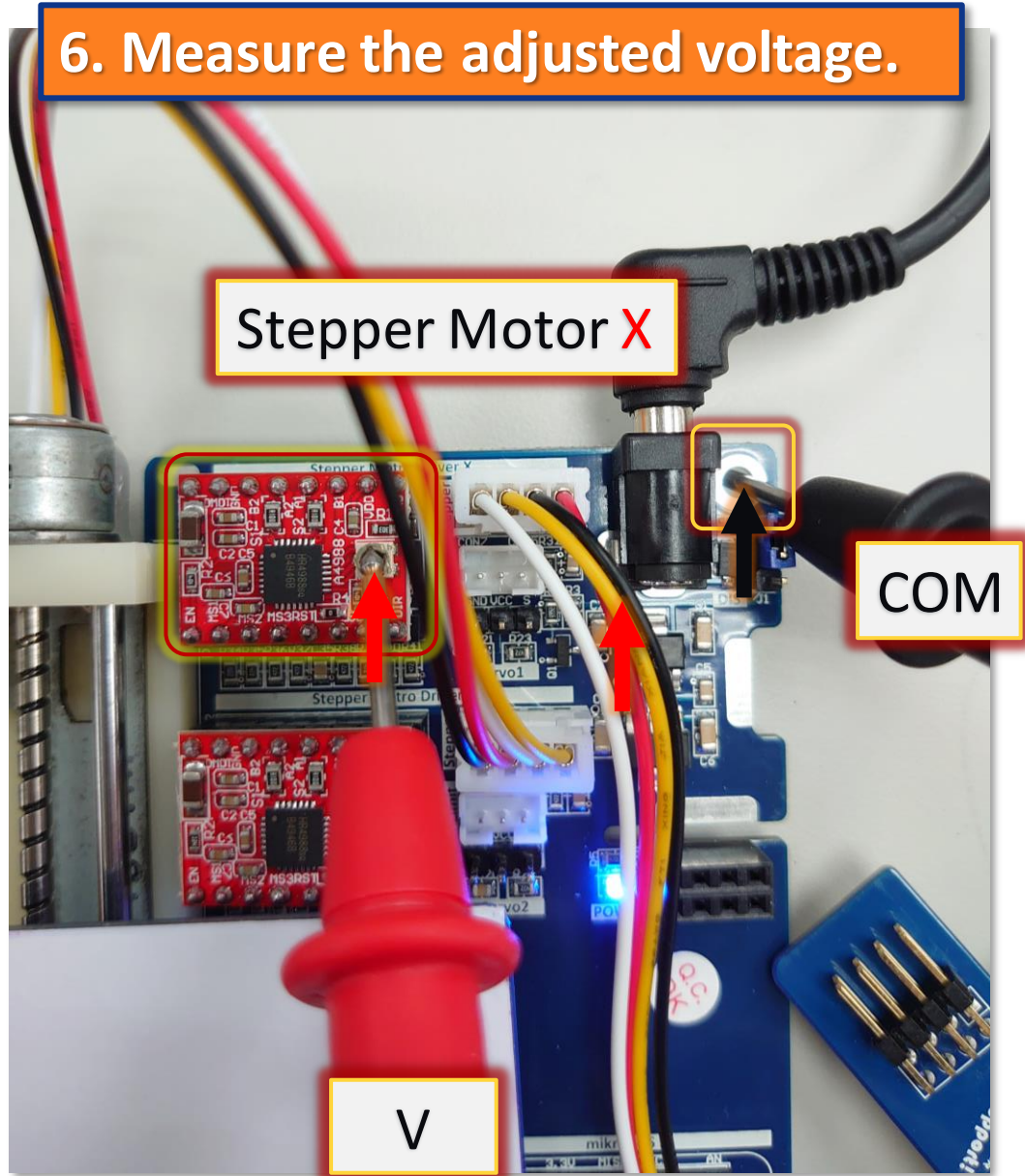
Current Output Regulation

5. Adjust the output current.



Current Output Regulation

6. Measure the adjusted voltage.

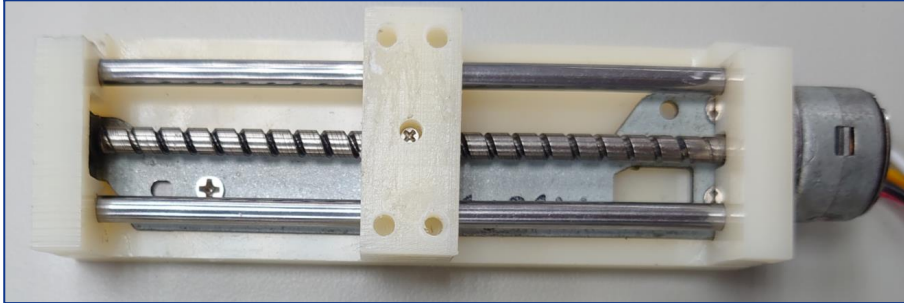


Current Output Regulation

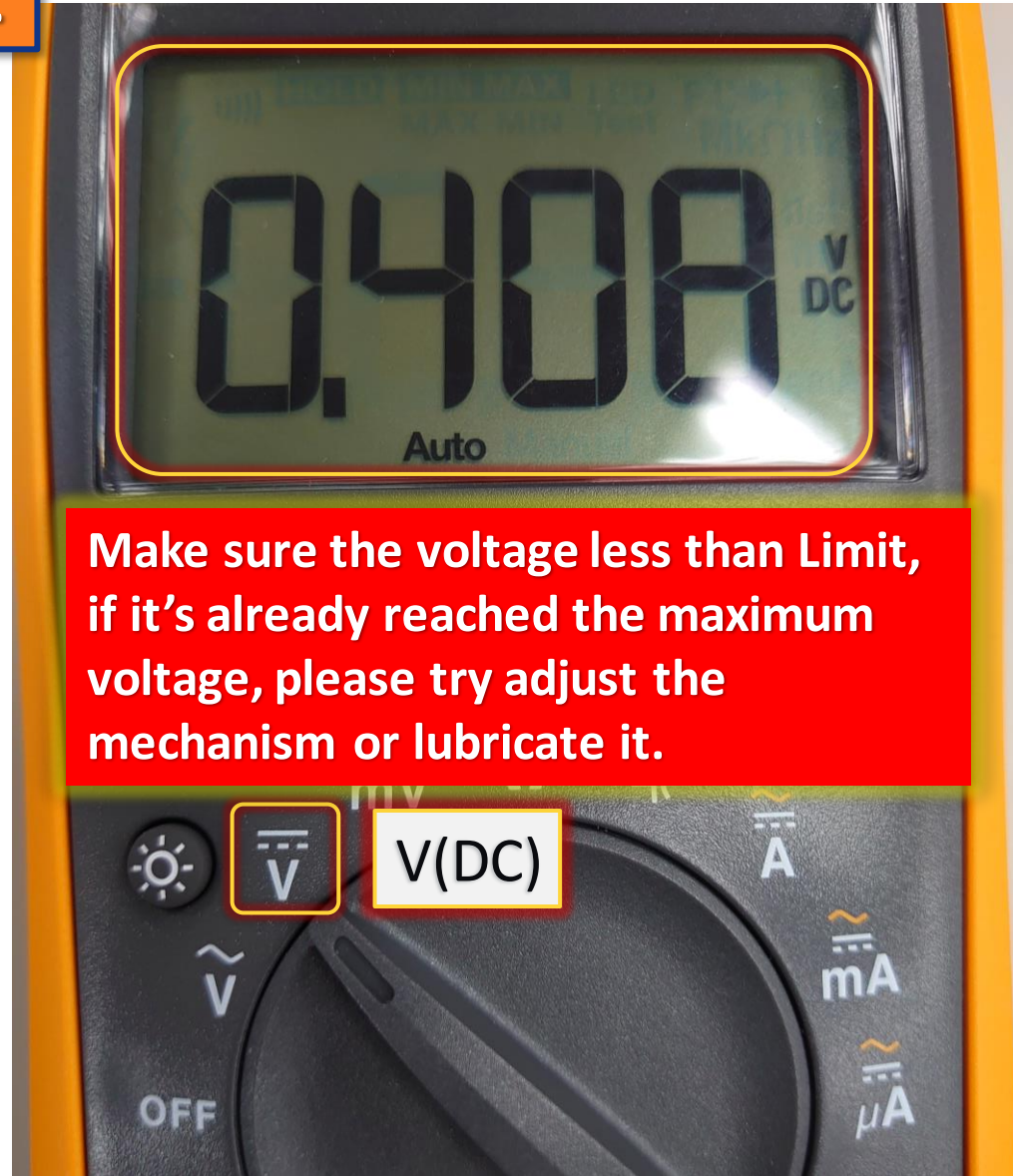
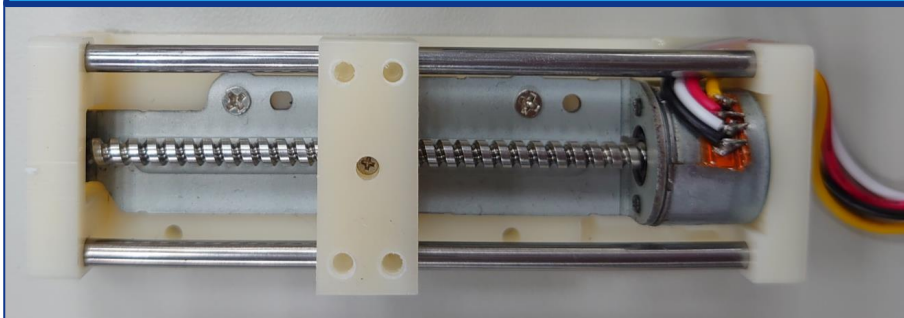
Please confirm your
stepper motor type first!!

7. Confirm present drive current again.

The recommended voltage is
360mV - 450mV (0.36V - 0.45V).



The recommended voltage is
250mV - 300mV (0.25V - 0.30V).



Make sure the voltage less than Limit,
if it's already reached the maximum
voltage, please try adjust the
mechanism or lubricate it.

Try Adjust the Mechanism

Try add Lubricant to the transmission parts.

Use silicone oil
or mechanical oil
to Lubricate here

