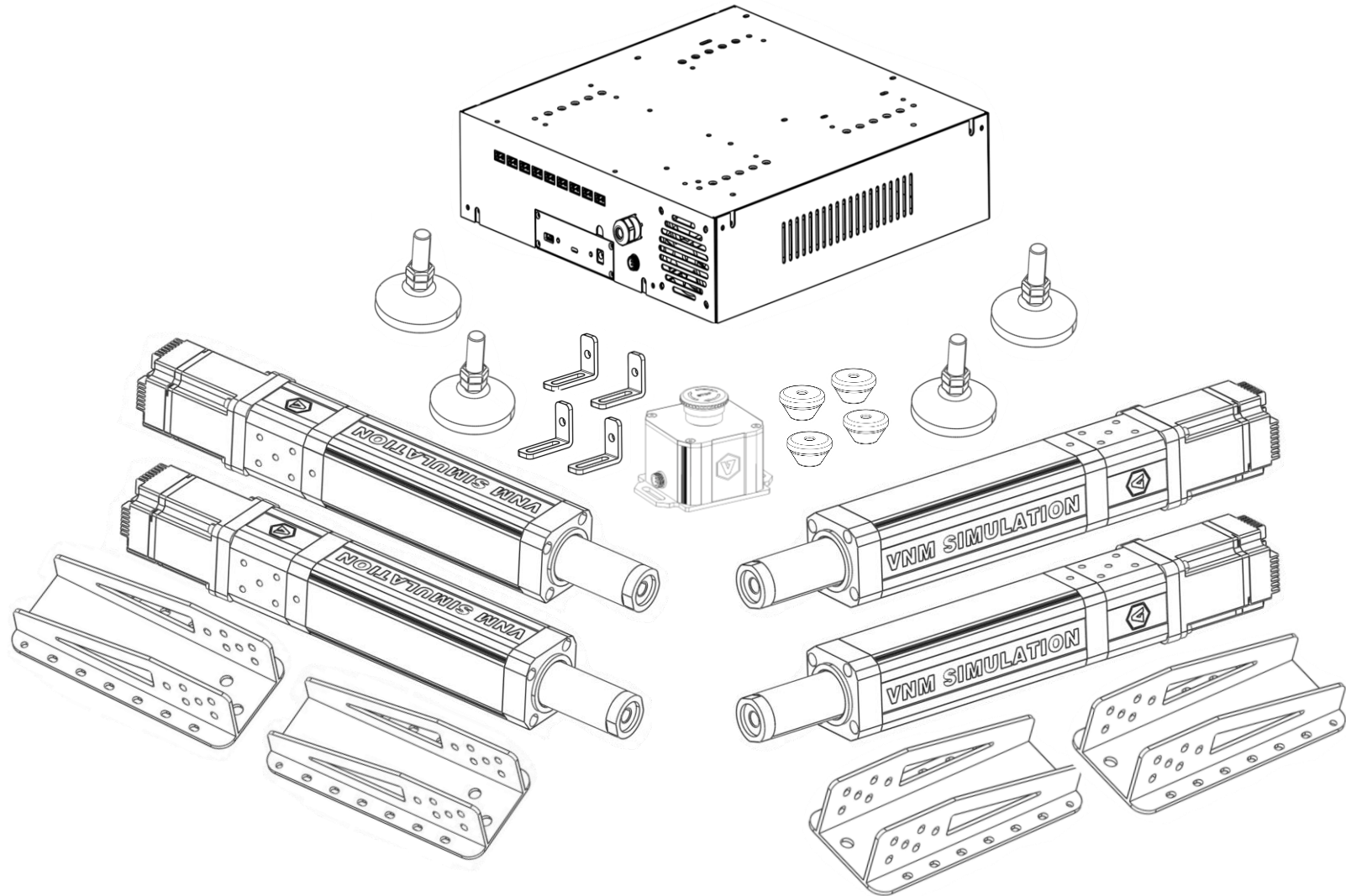


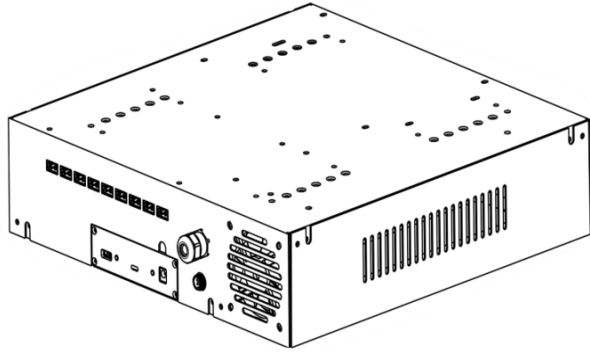


Installation guide

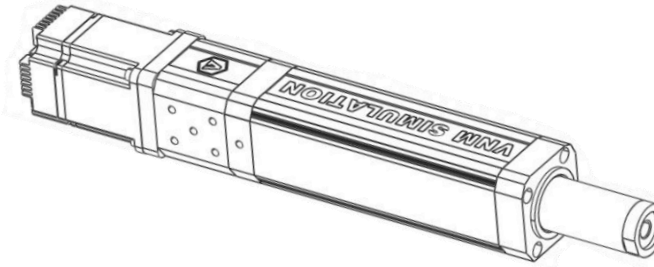
VNM 3Dof Motion Kit with 4 Linear Actuators



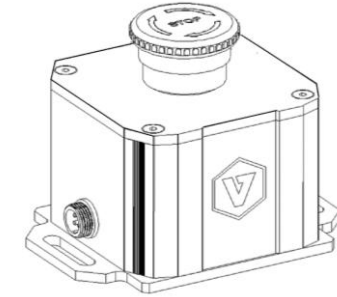
1 VNM Motion Cabinet Lite



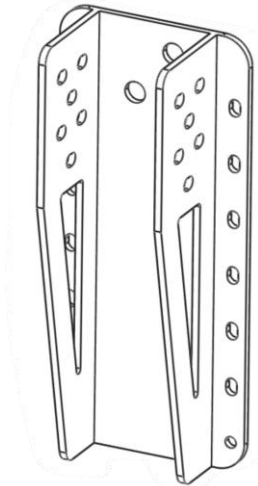
2 VNM Actuator x4



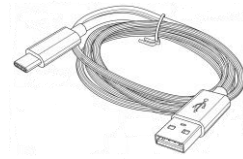
3 VNM EMC Stop Button



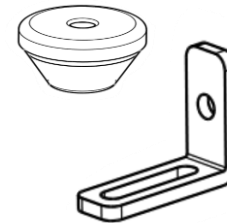
4 VNM U-Bracket



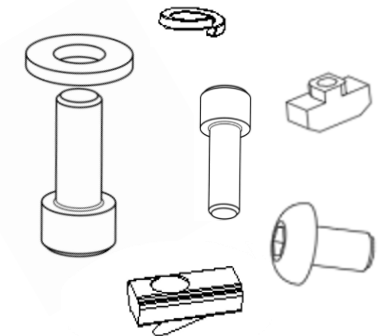
5 USB Cable type C



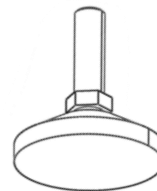
6 Rubber Foot & L-Bracket x4

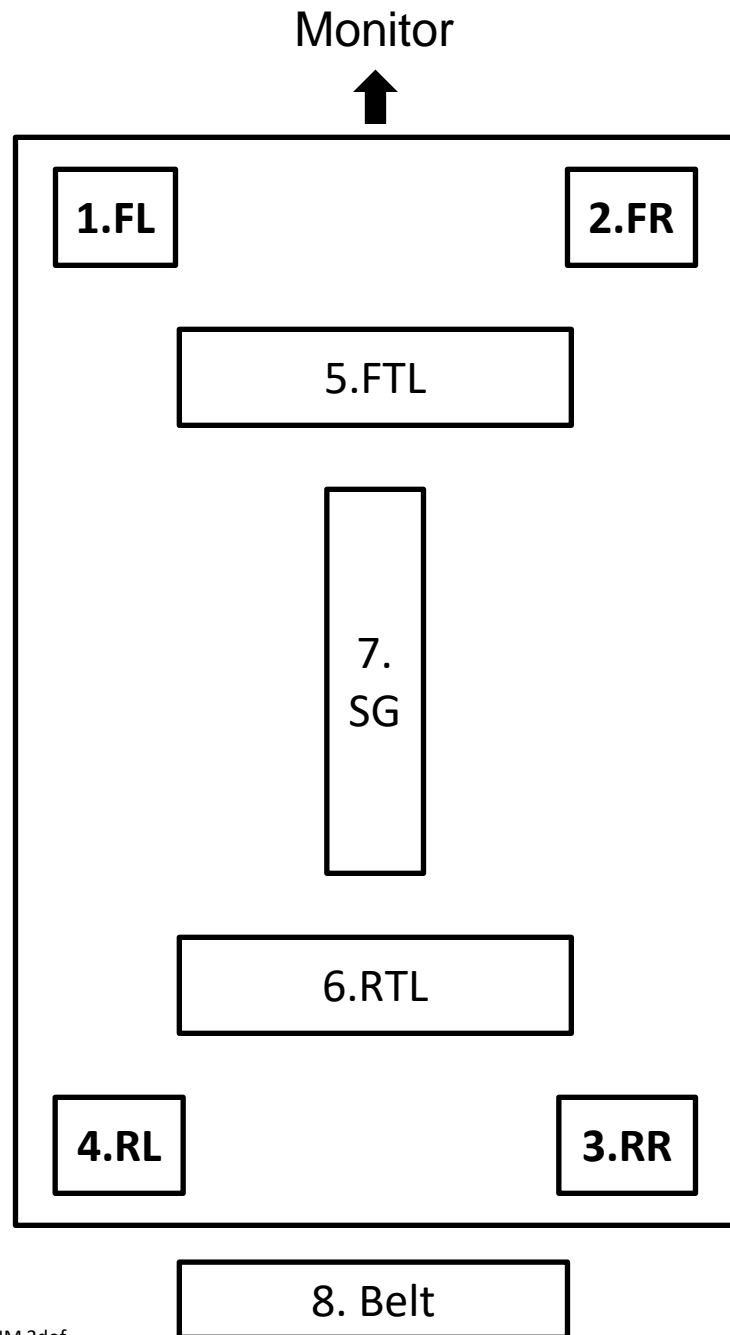


7 Mounting Screws



8 Actuator Feet x4



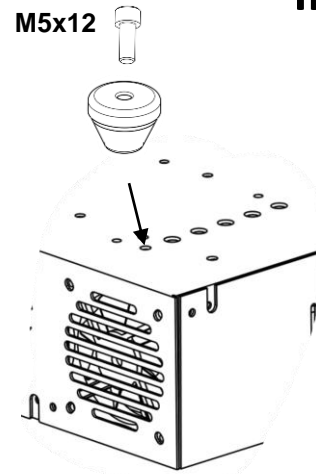


Disclaimer : Before installing or configuring the motion system on your rig, ensure that the surrounding area is completely clear. This helps prevent collisions if the rig moves unexpectedly. Keep the motion rig away from nearby objects such as computer monitors, TVs, mobile phones, etc.

Installation

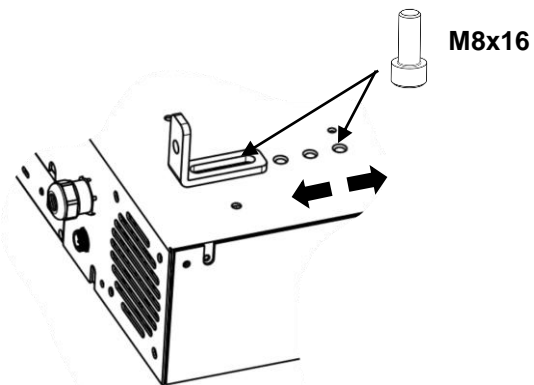
✓ Mounting Rubber Foot (for ground placement):

Install 4 rubber feet (M5x12 thread) on the electrical box at positions 265×320 mm (see drawing on page 5)

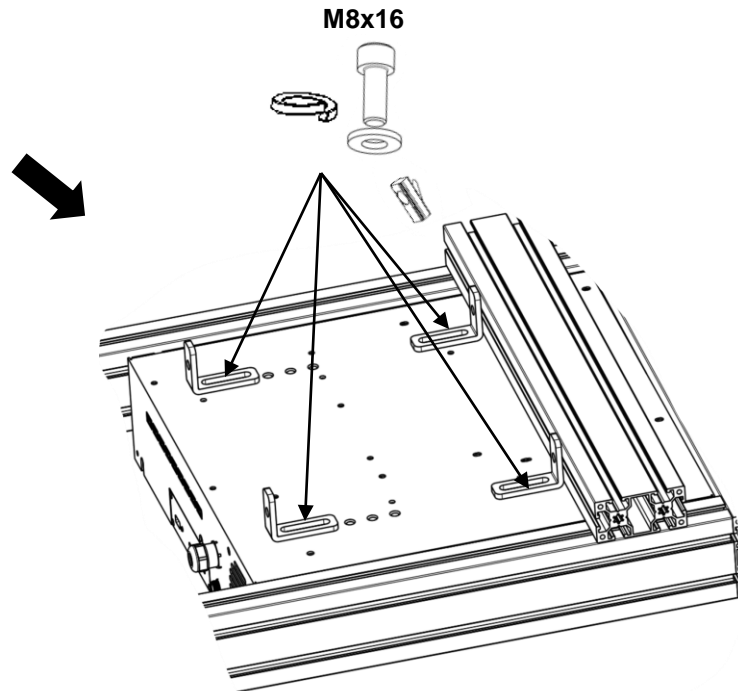


✓ Mounting L-Bracket (for rig mounting):

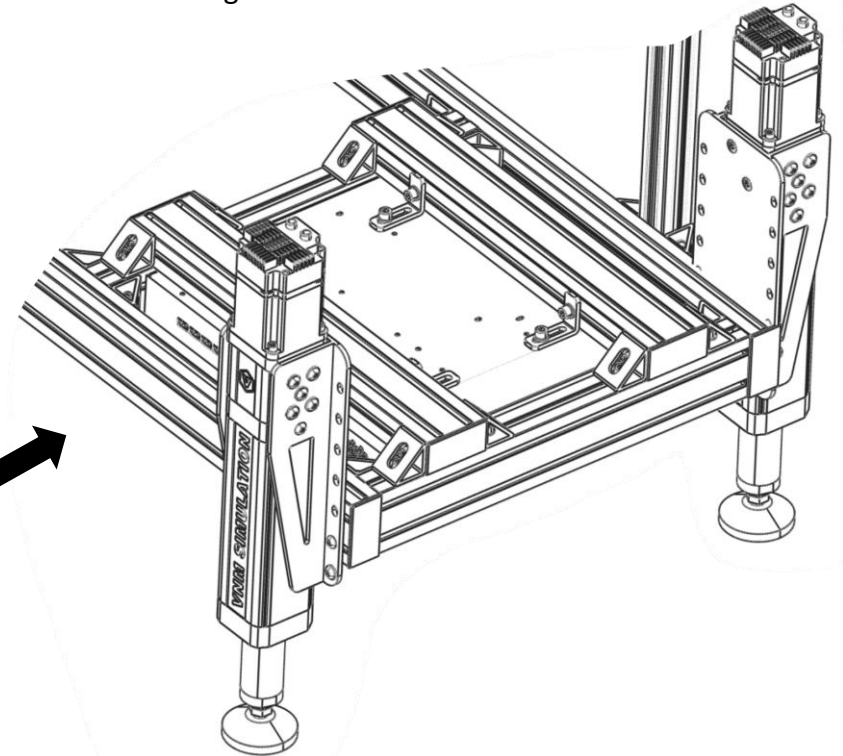
Install 4 L-bracket (M8x16 thread, spring, flat) on the electrical box at positions 265×280 mm (see drawing on page 5) and a distance adjustment from 0 to 160 mm (depending on your rig)



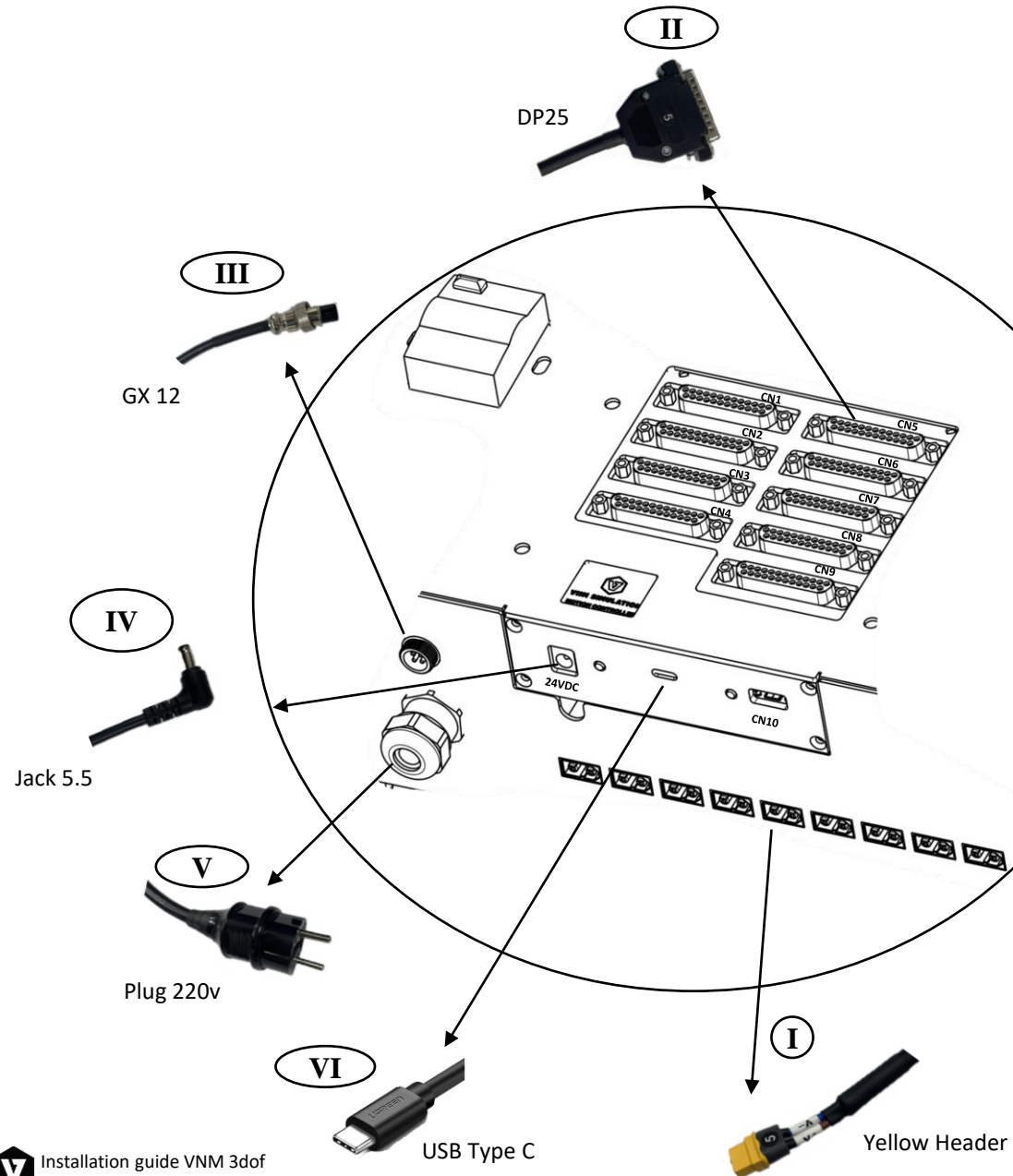
M8x16



✓ **Note:** Mount the unit to the underside of the rig as shown.



Connection



Step I: Connect the yellow male header to any yellow female header on the motion control box (all ports have the same voltage level).

Step II: Connect the male DP25 connector of the servo actuator to the female DP25 port on the motion control box. Make sure that the numbered labels on the cable and the corresponding port match correctly.

Step III: Connect GX12 cable between VNM EMC Stop Button and Motion control box.

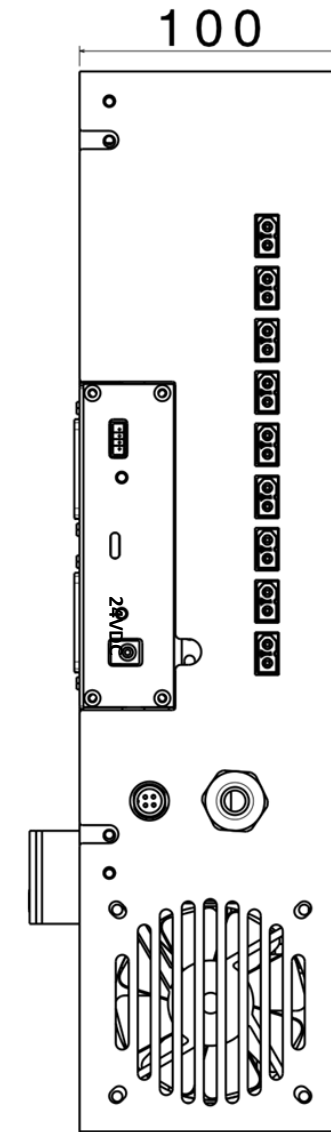
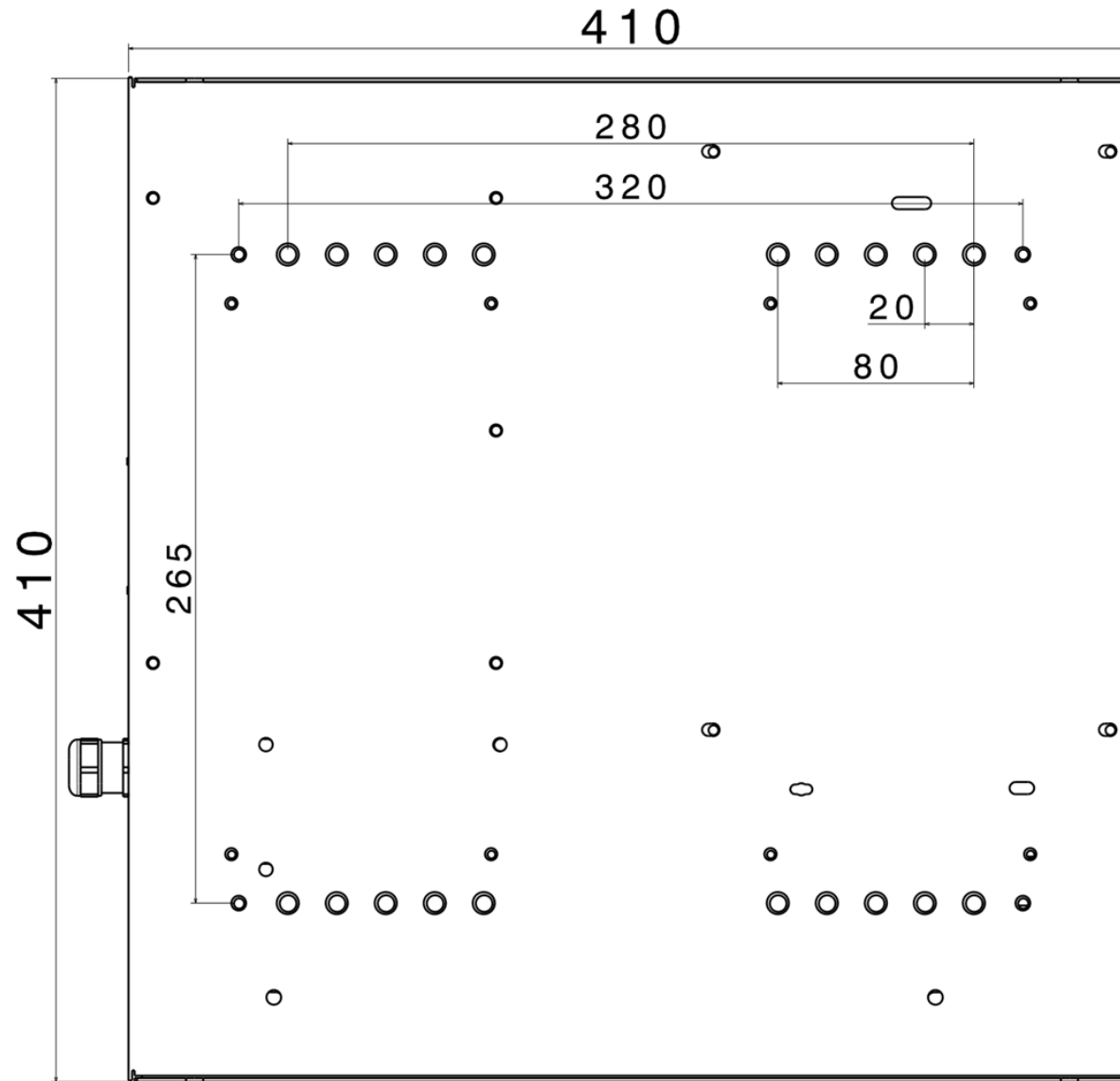
Step IV: Connect 24V power to Motion control box.




Step V: Plug the 220V power plug of the motion control box into a household power outlet.

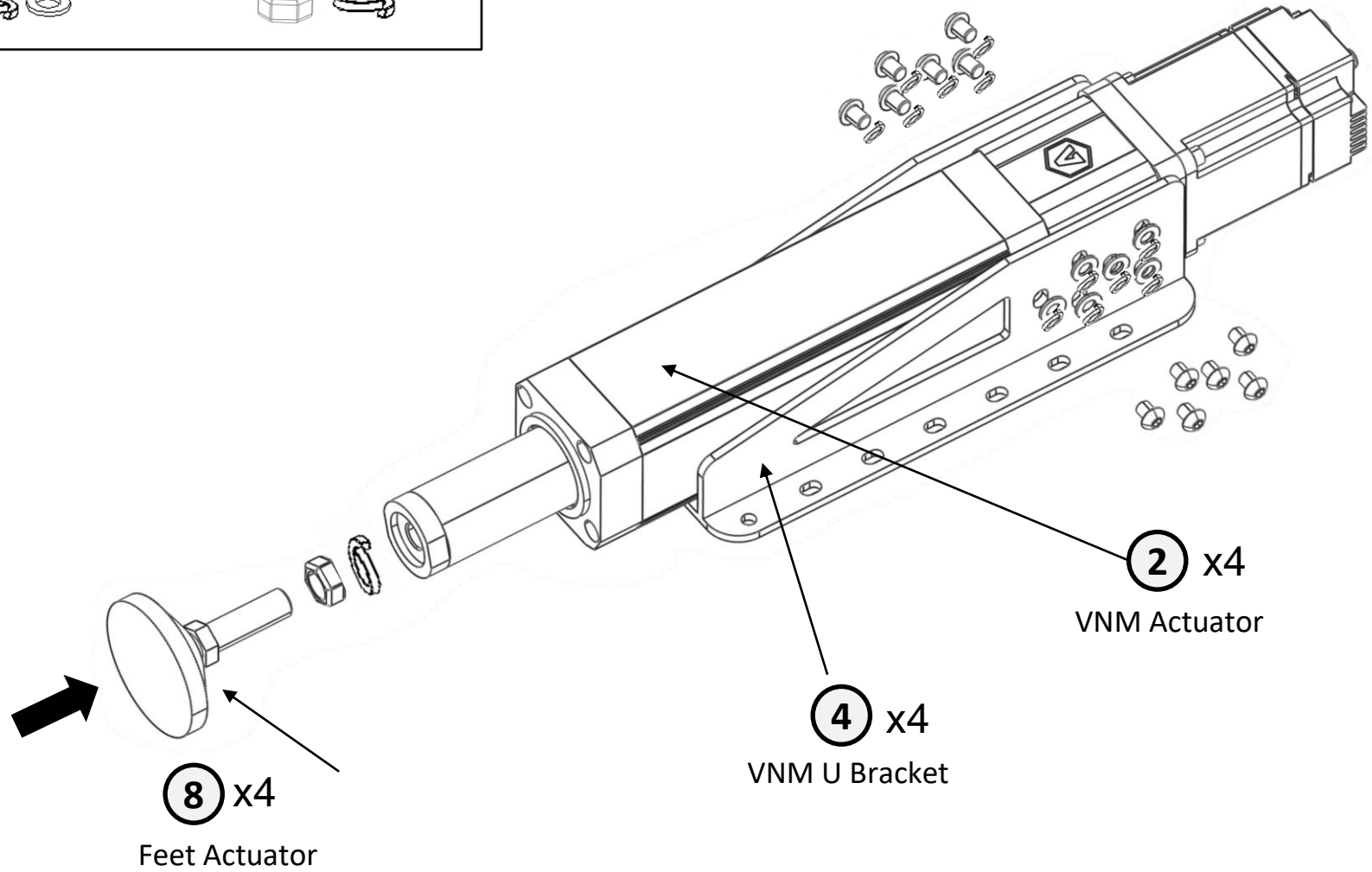
Step VI: Connect the motion control box to the computer using a USB Type-C cable.




Final Step: Check all connections, switch on the circuit breaker on the motion control box, and operate normally.

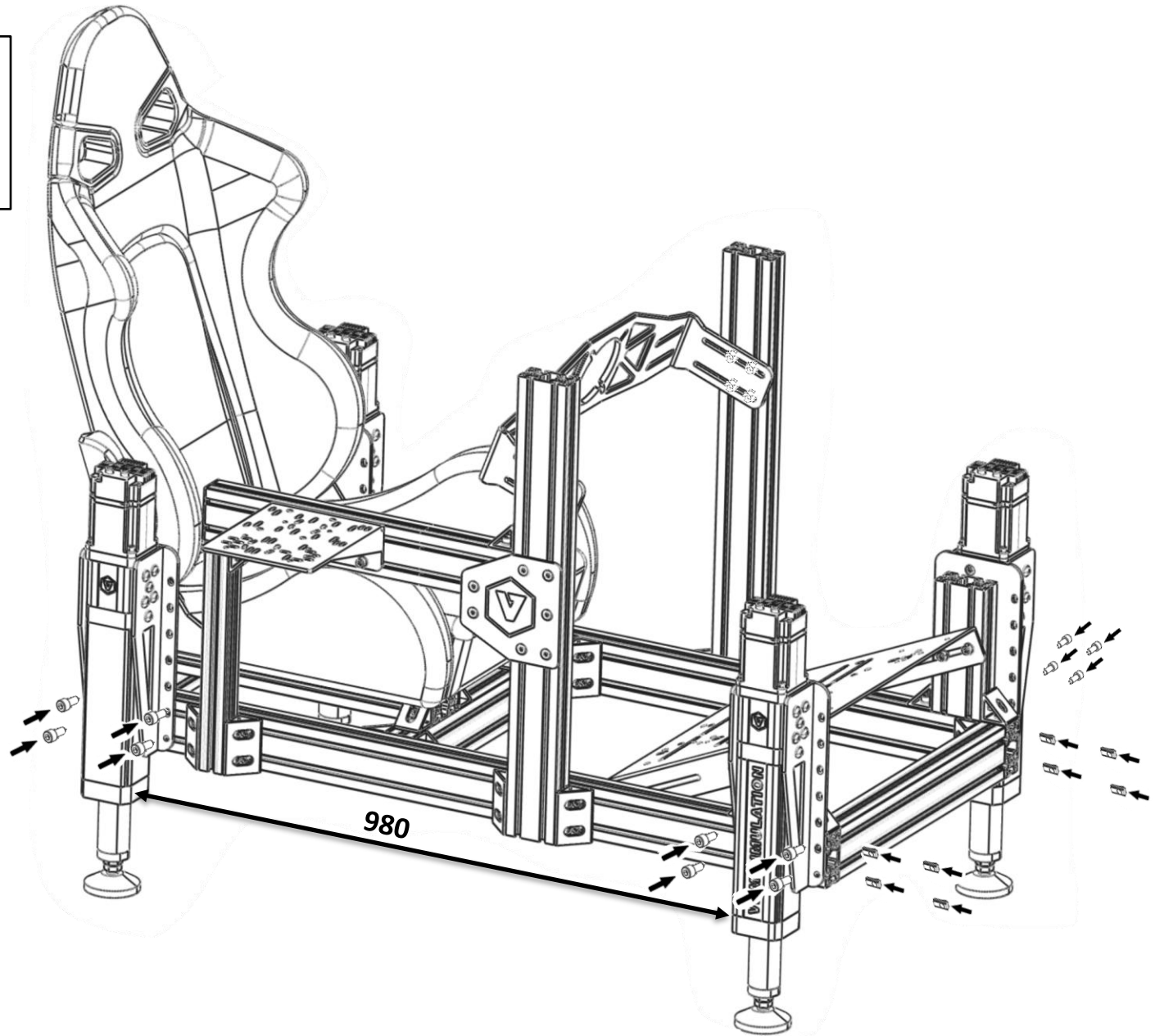
Motion Cabinet Lite Drawing





M8x16 x12	Flat, Spring M8 x12	M16 Nuts, Spring x1
		

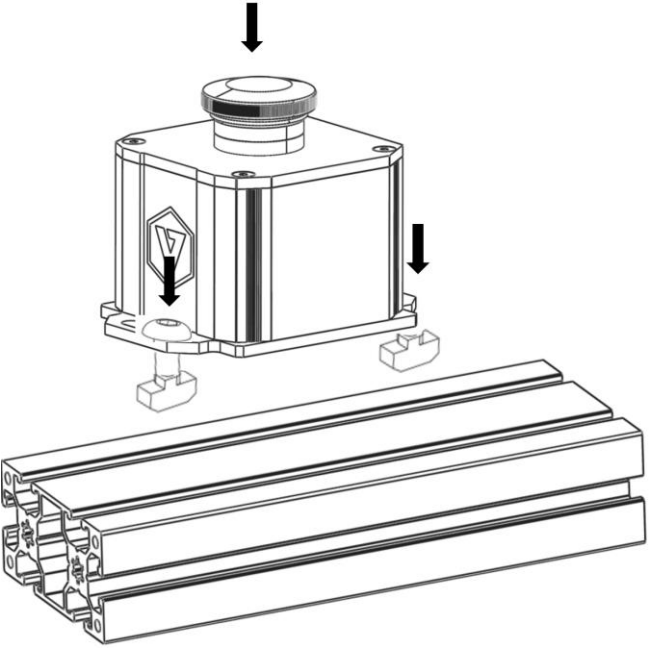
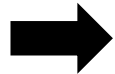
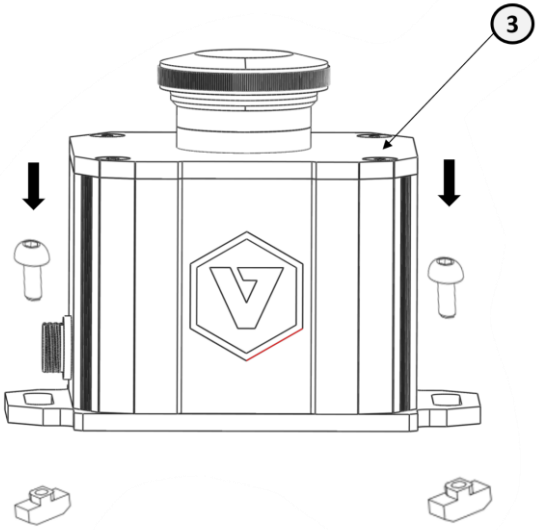


M8x16 x16	M8 Slider x16	Flat, Spring M8 x16
		

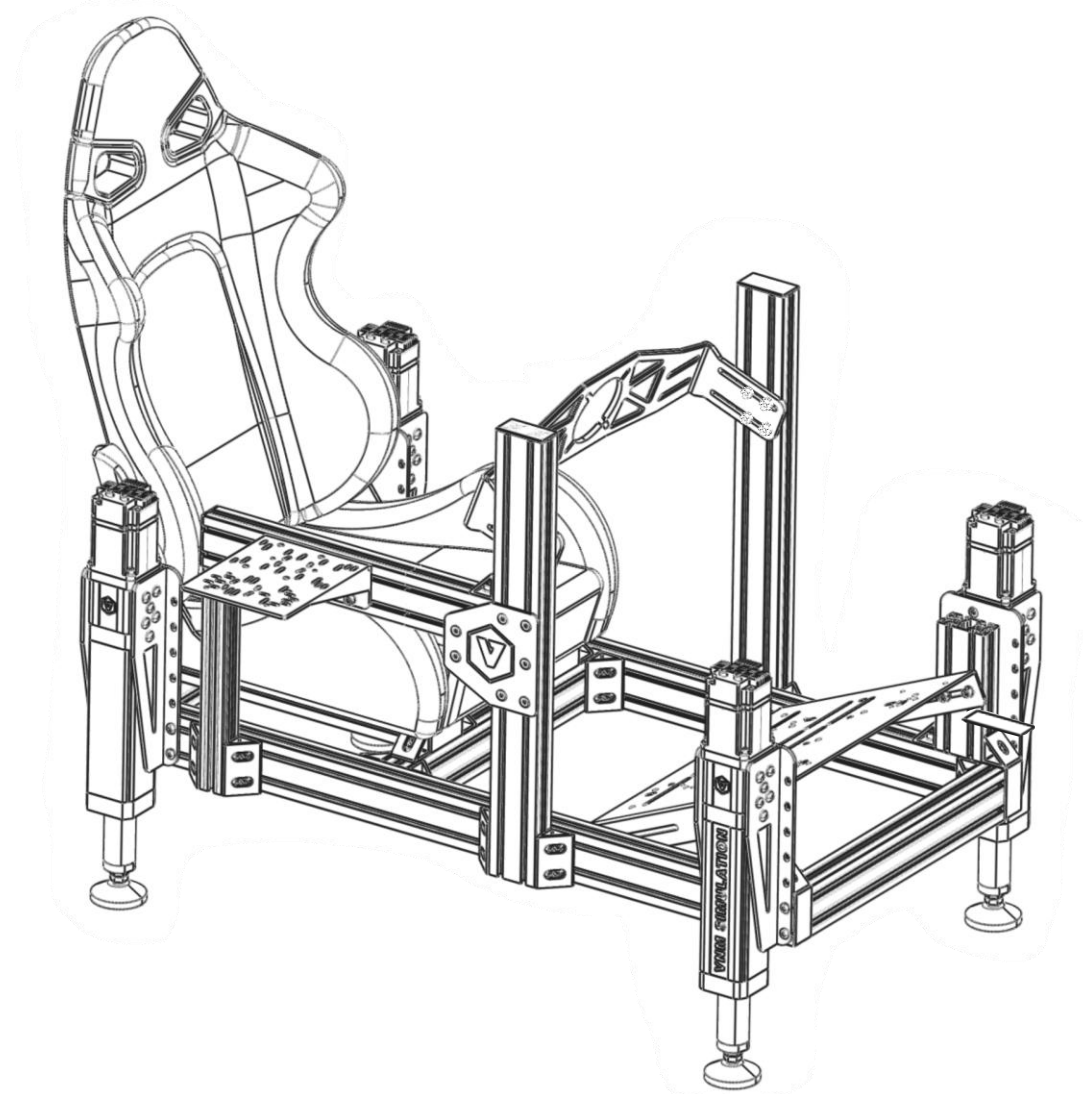


Tip: Use rigid blocks of suitable height to support the four corners of the rig for easier installation of the four VNM actuators.

M6x12 x2	M6 T Nuts x2
	



Note: You should install the EMC Stop on the rig at a height that is convenient for your reach.



*“Congratulations on completing your rig assembly.
If you have any questions or encounter any problems, please contact us for support!”*