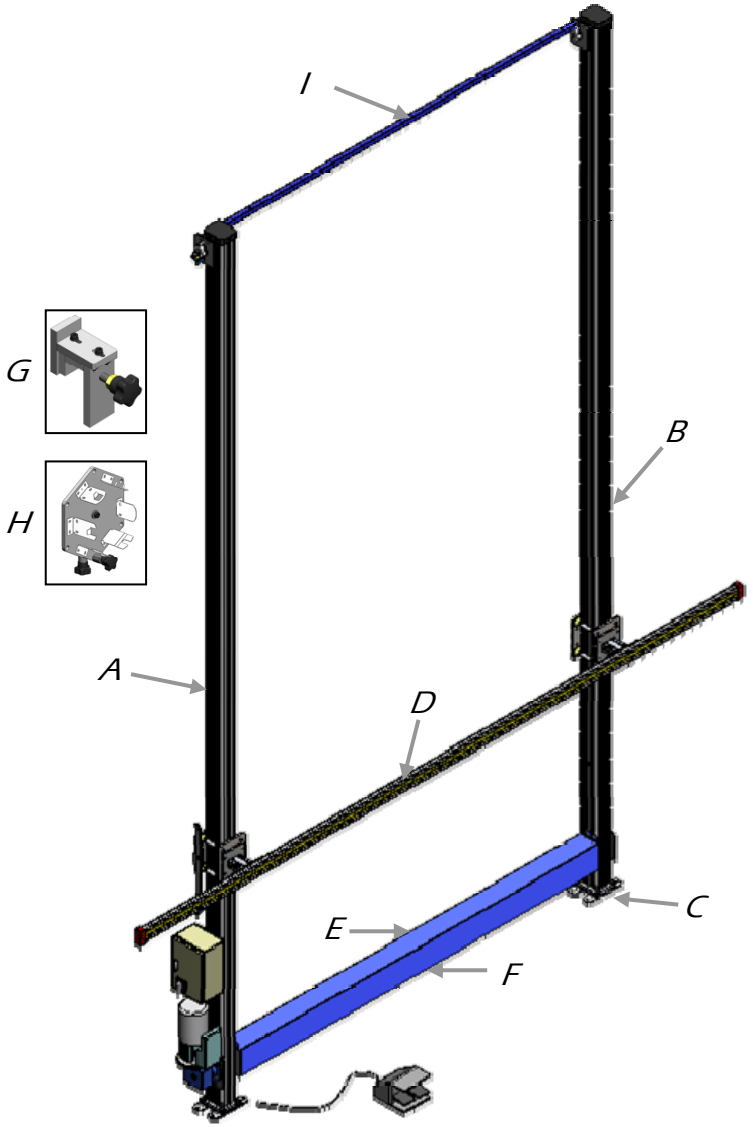
INSTALLATION MANUAL

200 SERIES HOIST



THINGS YOU NEED TO KNOW

- The 200 Series Hoist package consists of the following:

Item	Description	Qty
A	LH Pillar Assy with Electrical Box, Motor and Foot Pedal	1
B	RH Pillar Assy	1
C	Base Plates with Screws	2
D	Cross Arm with Tapes	1
E	Drive Shaft Assy with Roll Pins Included	1
F	Drive Shaft Cover	1
G	Intermediate Bracket Assy	1
H	Index Plates Assy with Brackets Attached	2
I	Top Brace Assy	1

- Note the orientation of the fully assembled hoist.
  - The exposed chains on both pillars should be facing backward.
  - The longer drive shafts at the bottom of both pillars should be facing inwards.
  - The top brace bar should be mounted on the back face of pillars.

PREPARATION OF BASE PLATES

1. Lay out Base Plates in approximate position of desired area. Tighten 4 provided M10 Cap Screws on the outer tapped holes as shown.

2. Then space the plates apart by measuring 2623mm from outside to outside of the cap screws. (See Illustration)

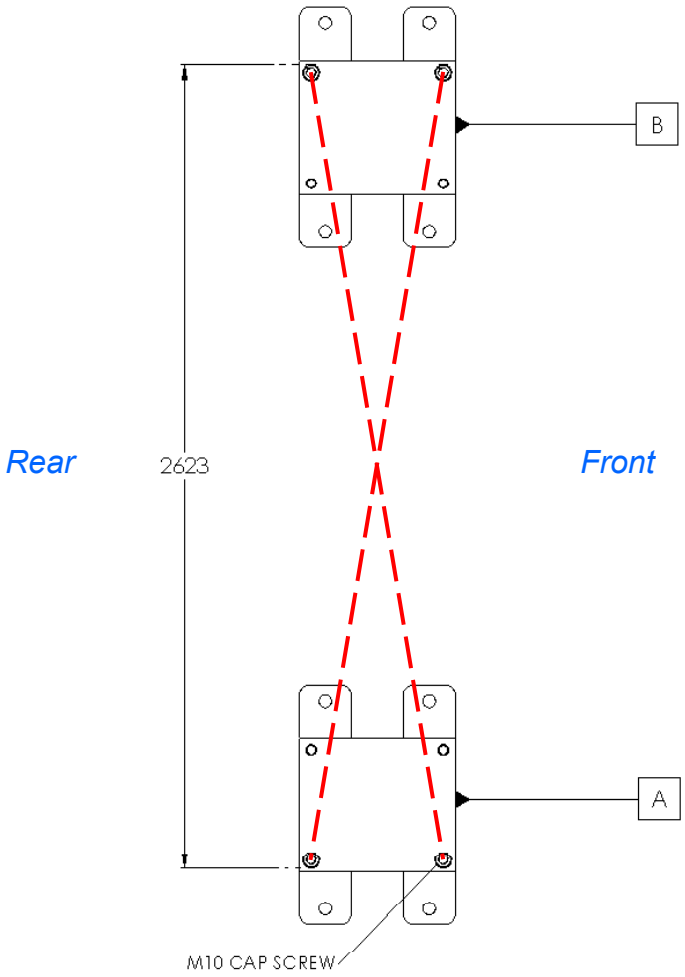
3. Use a straight bar to line up face A and B. Then compare the 2 diagonal distances as shown. If measurements are not equal, base plates are not square and they need to be lined up properly.

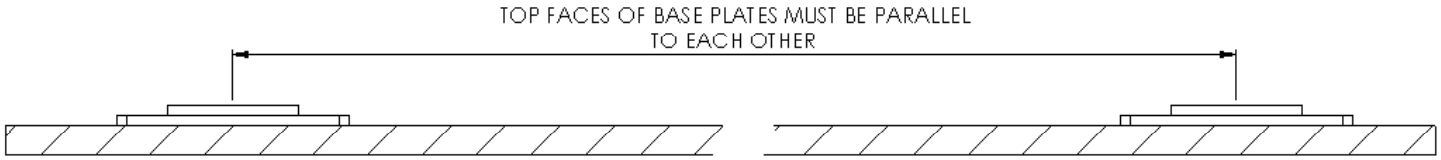
4. Dyna bolt Base Plate A and tighten all nuts. Base Plate A will be allocated for LH Pillar.

5. Now by referencing Plate A as a datum, check the position of Plate B again. Dyna bolt Plate B and tighten all nuts. Base Plate B will be allocated for RH Pillar.

6. Use a spirit level to check the levelling of the plates across two directions, both longitude and latitude.

7. If plates are not levelled, loosen nuts and pack accordingly. It is extremely important to keep the Base Plates levelled otherwise Hoist could not be setup properly at the later stage.





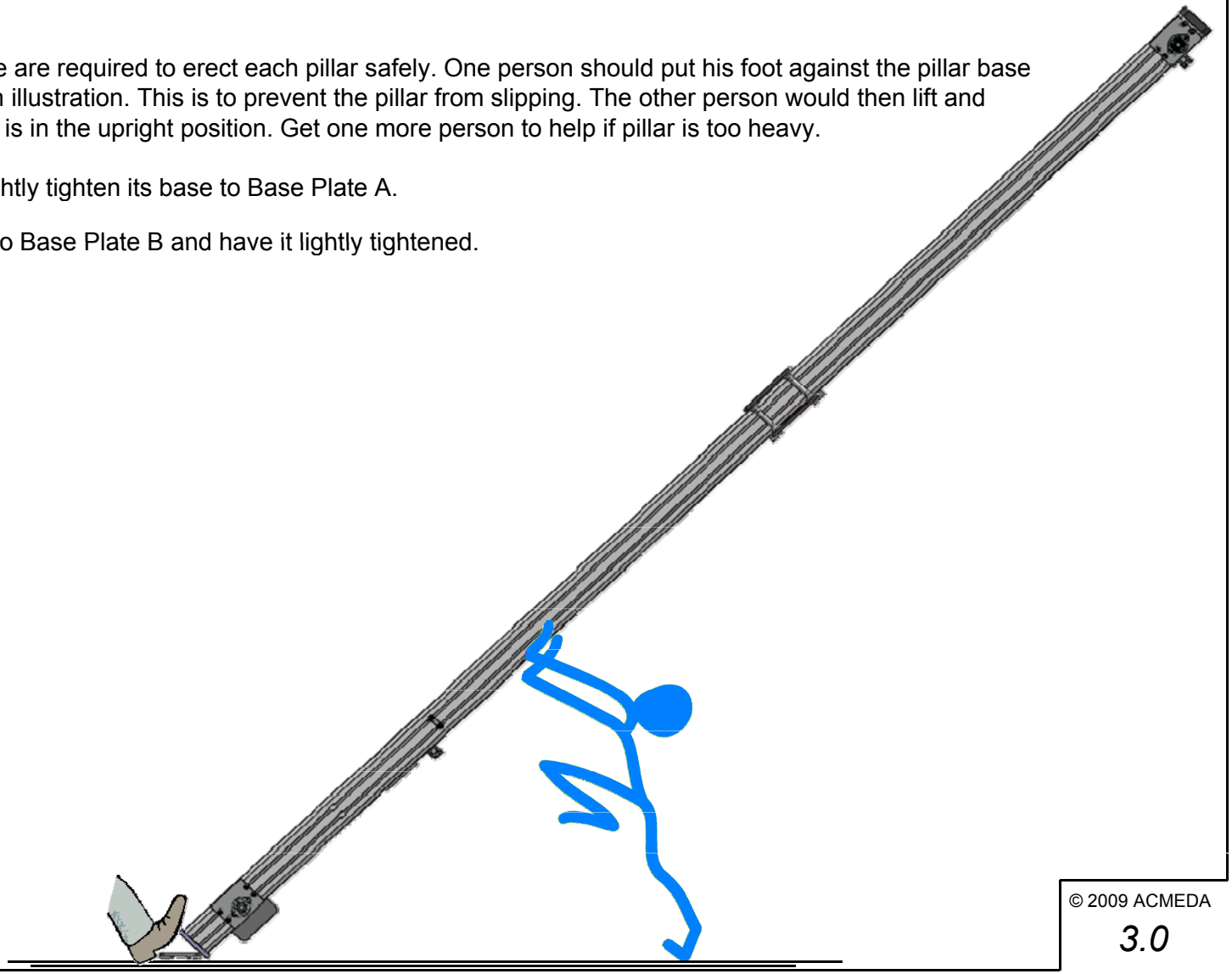
SETTING UP THE PILLARS

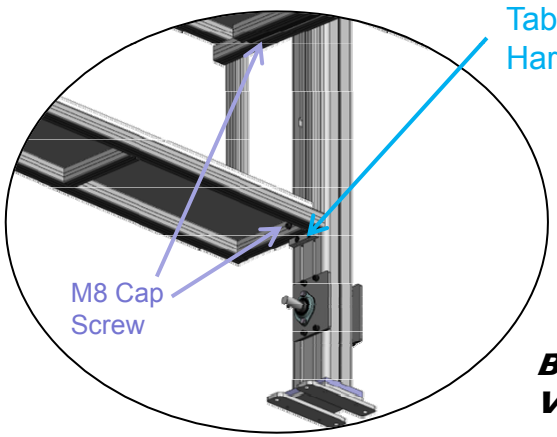
8. Lay both pillars on the ground and match them with their respective base plates, ensuring the orientations are correct. Refer Pg. 1 for orientations if unsure.

9. IMPORTANT: At least 2 people are required to erect each pillar safely. One person should put his foot against the pillar base and the base plate as shown in illustration. This is to prevent the pillar from slipping. The other person would then lift and push the pillar up slowly until it is in the upright position. Get one more person to help if pillar is too heavy.

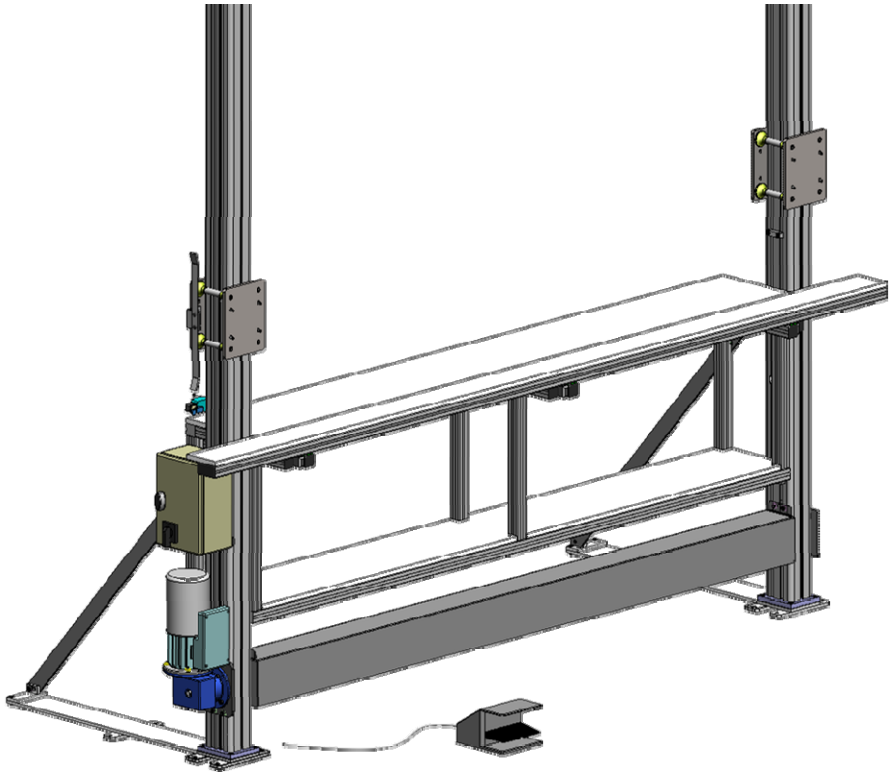
10. Mount the LH Pillar first and lightly tighten its base to Base Plate A.

11. Similarly, mount the RH Pillar to Base Plate B and have it lightly tightened.





BOTTOM VIEW



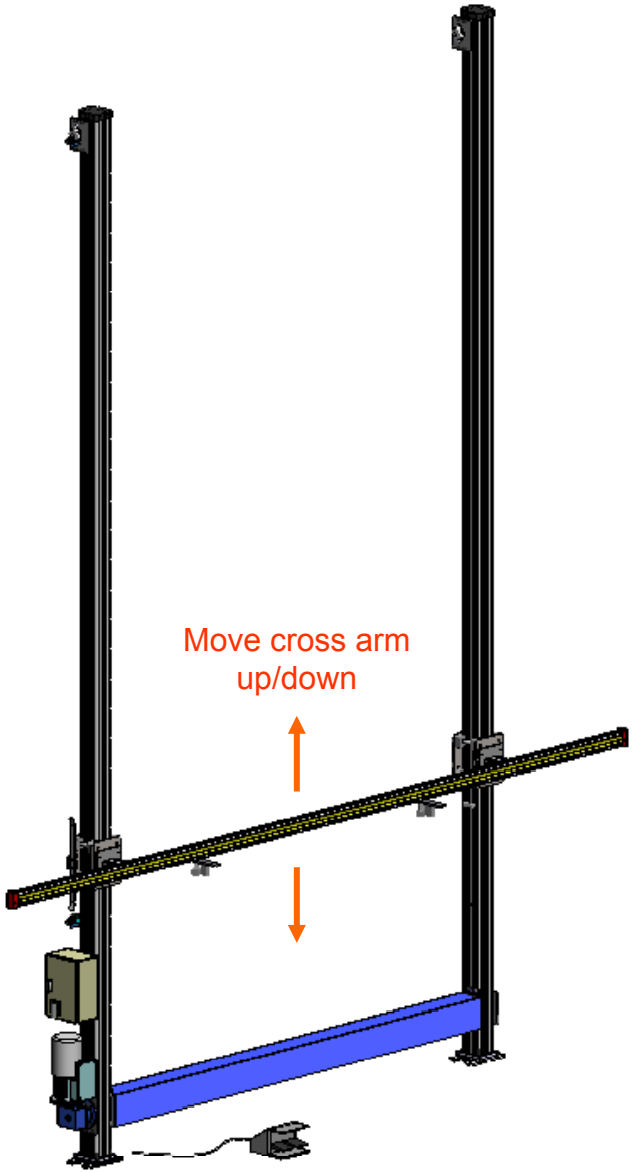
PRECISION TABLE (Optional Item)

12. To install the Precision Table, slide the assembly from the front and have it sitting on the Table Support Hardstops which are already installed on the inner face of both pillars.

13. Match the 4 pcs of M8X55 Cap Screws (2 on LHS, 2 on RHS - below the chipboards) to the Nuts on the Pillars, and lightly tighten them in place.

14. Make sure it is levelled. You may adjust the height on either side by tightening the M6 Cap Screws on the Table Support Hardstops.

15. After table is in position, fully tighten the M8 screws onto the pillar.



INSTALLING THE CROSS ARM

16. There are numbers marked on pillars' bottom shafts. Match them up with numbers on the Drive Shaft accordingly, then drive roll pins through and lock grub screws in position.

17. Position and level the carriages, then mount the Cross Arm and check that there is no bow after tightening.

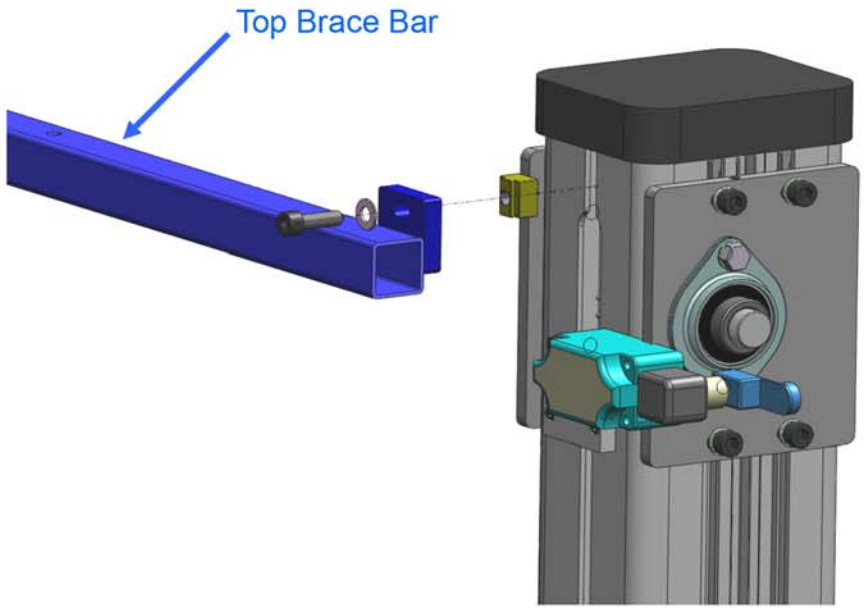
18. After Cross Arm is mounted, fully tighten the base of pillars to their respective base plates.

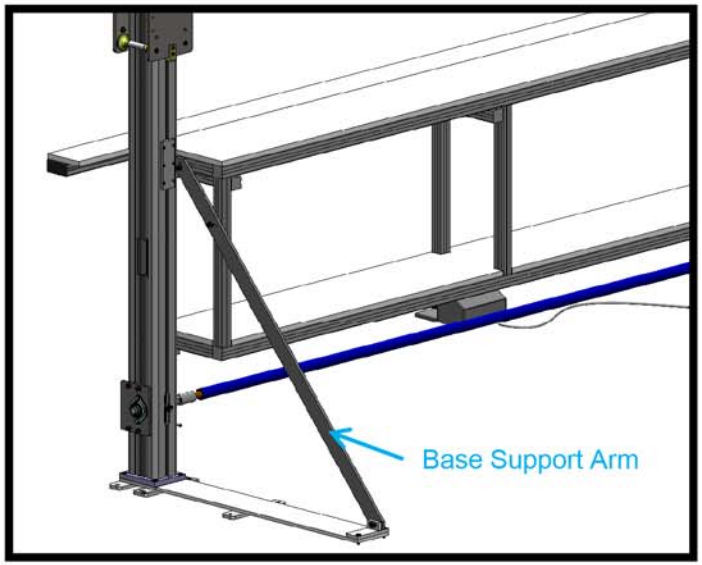
19. Check the levelling of the Cross Arm with a spirit level, making sure it is within 1mm tolerance.

20. Cut the cable ties on the pillars and remove the hollow tubes.

21. Connect Hoist to electricity and switch on.

22. Operate the hoist up/down a few times to make sure there are no abnormal noises.





TOP BRACE AND FINAL CHECK

23. Fully lift the cross arm to maximum top position and install Top Brace Bar. (See illustration)

24. It is recommended that the Top Brace Bar be fixed by bracing back to a wall or bracing to roof for stabilising top end.

25. If Precision Table is available, attach the Base Support Arms onto the table as shown. See drawings attached in Appendix for details.

26. Perform the following check again to ensure the Hoist is setup correctly.
    1. Check for levelling across Cross Arm
    2. Check for abnormal noise
    3. Check functioning of top and bottom limit switches

27. Install the Drive Shaft Cover.

28. The hoist is now ready for use.
    Contact manufacturer for any feedback.

MANUFACTURER'S CONTACT

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