



Automated Wardrobe Lift Installation Instructions

Wood Lift

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Tips for successful installation

1. When mounting the wood rotating arms, make sure you allow for the arms at the rail position to fall forward based on gravity.
2. Ensure rotating arms when mounted are properly aligned with each other and with the motor tube.
3. Ensure mounting hardware for the wood base mounts flush.
4. Ensure clothes rail is standard round 1 1/6 - 1 5/16 inch diameter and that ONLY closed collars are used. (See ClosetBay for nice selection)
5. To ensure correct arm positioning when setting the motor limits ensure that clothes rail is loaded.

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Installation Warning

- 1. If NOT properly installed or adjusted, the Automated WardrobeLift™ may get stuck and then come down suddenly! DO NOT POSITION THE Automated WardrobeLift™ IN THE DOWN POSITION LOWER THEN THE TOP OF THE USER'S HEAD. IF THIS INSTRUCTION IS NOT FOLLOWED, INJURY MAY RESULT!***
- 2. If this installation instruction is not possible, please contact StorageMotion, Inc. before operation, to receive another automated solution.*

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1. Mark position on Left side of cabinet using a wooden base. Mark position on right side of cabinet using wooden base. MAKE SURE THAT EACH SIDE IS PROPERLY ALIGNED WITH EACH OTHER. See Fig 1,2 and 3
2. Mount Left Side Wooden base/arm using 4 - 1 5/8 long screws provided and the pilot holes from step 2
3. Mount Right Side Wooden base/arm using 4 - 1 5/8 long screws provided and the pilot holes from step 2.
4. Move both arms up and down and ensure that they move freely . Arms need to fall freely based on gravity.
5. Measure the closet opening (see Fig 1)The metal motor tube needs to be cut 1 1/2 inches less than the closet opening. Do not include the motor head when measuring the tube.
6. Mount right side strap onto the tube with the strap clip and the small machine screw that is supplied. See photo 2,3 Drill through the tube and attach the strap with the screw so that the tape on the strap is directly across from the tape on the left side strap. This ensures that the straps are the same length when lifting the rotating arms. . Do not try to drill through the lifting strap material as this is not necessary.
7. **The strap needs to be mounted about ¼" from the right end of the tube** and the "X" on the tape needs to be against the motor tube so that the strap clip on the other end is positioned correctly.
8. Mount and position motor tube with motor head on the left hand side . See Fig 2, 3. The position does not have to be exact .



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9. Mount RIGHT side idler bracket for the motor tube using the 2 #10 screws supplied on right hand side at the top. Use the sticky foam to assist in placement of the bracket and to reduce vibration. See Fig 2 and photo 1,3 for where to position. **The motor must be on the left side for lifting straps to be correct as they must lift from the top of the tube as opposed to the bottom of the tube.**
10. Mount LEFT side bracket with 2 # 10 screws provided, Use the sticky foam to assist in placement of the bracket and to reduce vibration. . See Fig 3 and photo 1 for where to position.
11. Place white round plastic idler bearing onto right side end cap. (SEE photo 2) Place tube with motor into square opening in left bracket and then place right side tube into right side bracket (SEE photo 2 and 3) Make sure that straps are coming from the top of the tube as opposed to the bottom of the tube. See photo 3,4 Add the cotter pin to secure the motor is in the left side bracket.
12. Ensure that motor tube is parallel with what will be the position of the clothes rod. Motor side of tube with cord must be on the left side
13. Mount round clothes pole using closed end pole holders and screws . Make sure clothes pole is cut as long as possible so that it can not come out during operation.
14. Attach straps to the predrilled mounting holes at the top of each wooden arm using the lag screws provided. Carefully unwrap straps from tube BYHAND and attach the strap clips while the arms are in the down position (Horizontal). **Make sure that strap clips are secure and that straps are NOT twisted and that they line up with the arms.** See Fig 4 for strap clip position.
15. Ensure that the lifting straps and the rotating arms are in alignment when the rotating arms are operating. Ensure that the rotating arms move freely when lifted up and down by hand.
16. If not being hardwired by an electrician, connect the plug to the motor cord. The brass terminal goes with the black wire and the green screw head goes with the green wire (ground).
17. Plug in the unit . The top button on the transmitter is for UP, the middle button is for STOP, and the bottom button is for DOWN. Ensure transmitter matches the motor



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- 18 Set the limits Raise black cover to expose very small left and right keys. (see photo 5 and 6)
 1. SET DOWN LIMIT. Press LEFT key once then press DOWN button once... Now UP or DOWN buttons should respond momentarily.. Select the stop button (center button) once to complete the setting..
 2. SET UP LIMIT. Press LEFT key once then press UP button once.... Now UP or DOWN buttons should respond momentarily. Select the stop button (center button) once to complete the setting.

Notes – a) When entering in the limits settings you only have 5 seconds to BEGIN to command the motor after pressing the left key. b) In the process of adjustment, any coincidental press to the stop key will be considered as the limit setting is complete .To restart you must press the LEFT key again. **C) LIMITS CAN BE RESET ANYTIME DURING THE LIFE OF THE PRODUCT.**

- 19 Mount the wireless wall switch in a convenient location with the screws provided. Mount within the cabinet if the cabinet has doors
- 20 Test the unit. If arms go up and down crooked the right side lifting strap can be adjusted by removing the anchor screw and relocating the strap. See Photo 2.
- 21 **See photo 7 and 8 for an example of an enclosure that can used to conceal the motor tube. The motor tube can also be painted or covered with wood grain contact paper.**

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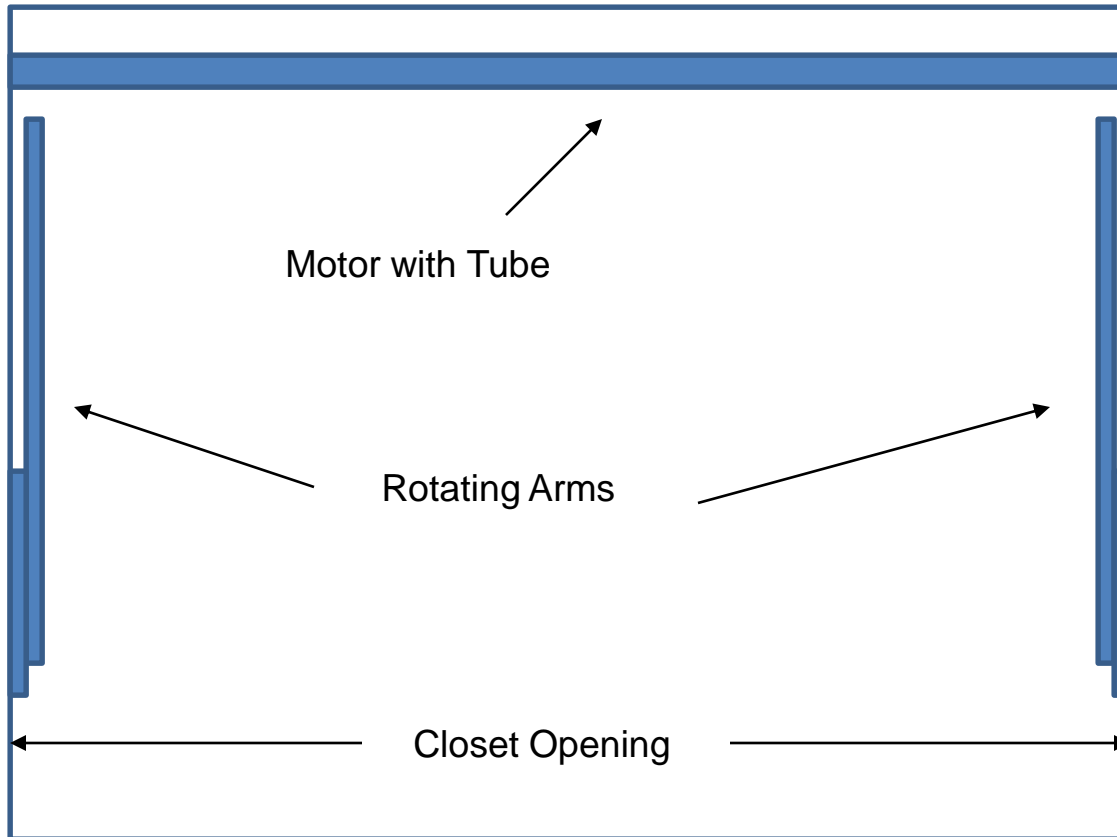
Trouble Shooting

Reset button
must use pin, small screw
or paperclip to activate.
Beeps are very quiet!



PROBLEM	SOLUTION
Rotating arms are not stopping at proper points	Reset the motor limits using the wireless switch. See motor limit step in the instructions.
Lift does not respond	Press the reset button using a pin until 1 beep then immediately within 2 seconds press the up or down button on the switch. Unit should respond . If no response then proceed as follows. Press the reset button for approx. ten seconds using a pin. Hold until 2 beeps and release Wait another 10 seconds or more then re-associate the motor to a switch by pressing the reset button once for 1 beep then immediately within 2 seconds press the Up or Down button of the switch.
Light does appear on switch	Check battery
Lift does not go up straight	Adjust the right side strap which is the non motor side strap . Remove the anchor screw and move the strap material accordingly and then reinsert the screw. See installation instructions. The left side (Motor Head)strap CANNOT be adjusted.
Lift runs in reverse	Motor head needs to be on left side of tube when facing unit from the front. Lift the black cover on the switch and press the very small button on the right and hold for 3 seconds. Motor direction should now be changed
One switch operates two motors	Press the reset button (very small white button on the motor head) for ten seconds using a pin on the motor you want to disassociate. Hold until 3 beeps then release. Test all switches to make sure they will not operate the motor. Associate the motor to the correct switch by pressing the reset button once then immediately within 2 seconds pressing the Up or Down button of the correct switch. Make sure all other switches are not activated during this procedure. Set the motor limits.

Fig. 1



WARNING – Make sure the arms are mounted above the height of the user when in the down position



Motor with Tube

Fig. 2

Approx 0 to 2 in.



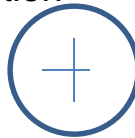
Clothes rail position



Approx 5 to 6 in.



Base position



Approx 6 to 8 inches. This dimension ensures proper lowering due to gravity



back

front

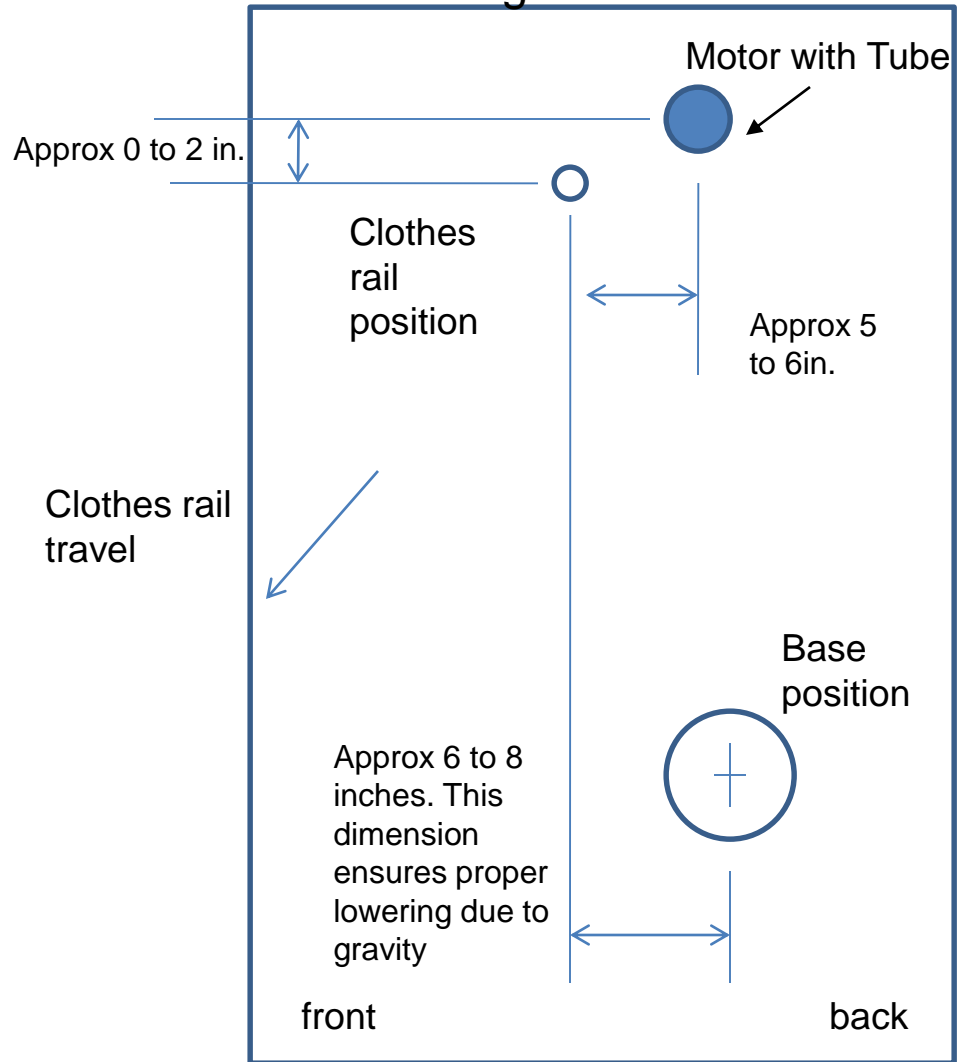
Clothes rail travel



Right hand side view



Fig. 3



Left hand side view

Fig. 4

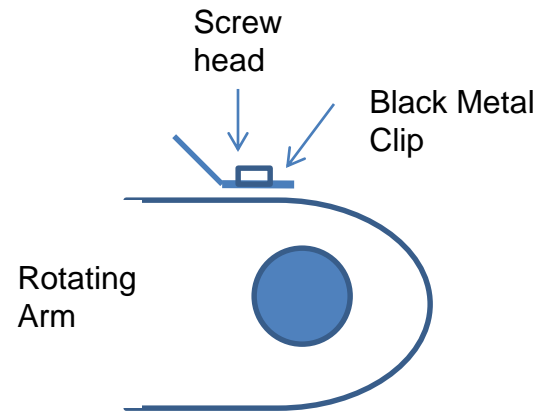


Photo 1



See
approximate
location of
motor tube in
relation to
rotating arm

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Photo 2

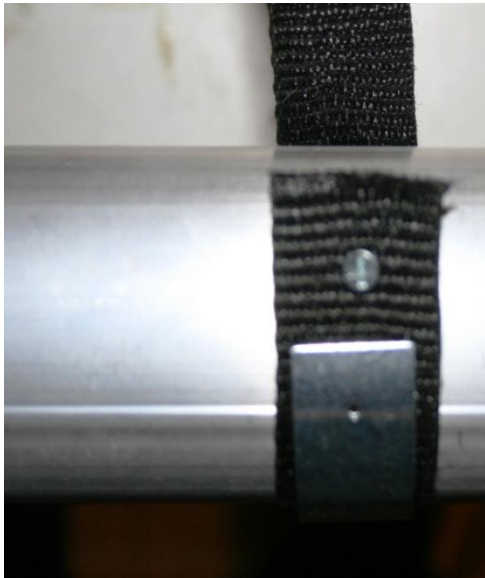


Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



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NOTES

Do not tighten screw that holds arm to base. Rotating arm must be able to spin freely on the base.

Metal cap may need a drop of glue to stay permanently attached. (Sorry we are working on the problem)