STORAGEMOTION INC.

Automated Wardrobe Lift Installation Instructions
EXTENDED REACH
(Cut to size at installation)

Patent Pending

STORAGEMOTION INC.

CONTACT PHONE - 704 746 3700

Tips for successful installation

1. When mounting the rotating arms, make sure you allow for the arms at the clothes rail position to be slightly forward (½ inch) when in the up position.

2. Ensure rotating arms when mounted are properly aligned with each other and with the motor tube lifting straps.

3. To ensure correct arm positioning when setting the motor limits ensure that clothes rail is loaded.

4. Each transmitter is assigned a motor at the factory and should be marked with a capital letter on the back of transmitter and on the motor tube.

5. Make sure the motor is on the left side of the tube when looking into the closet. Straps seams will be on the wrong side and interfere with operation if not coming from the top of the tube as opposed to the bottom.

CONTACT PHONE - 704 746 3700

Installation Warning

1. *If NOT properly installed or adjusted, the Automated WardrobeLiftTM may get stuck and then come down suddenly!*

2. *DO NOT POSITION THE Automated WardrobeLiftTM IN THE DOWN POSITION LOWER THEN THE TOP OF THE USER'S HEAD.* ***IF THIS INSTRUCTION IS NOT FOLLOWED, INJURY MAY RESULT!*** *If this installation instruction is not possible, please contact StorageMotion, Inc. before operation, to receive another automated solution.*

3. *Do not cut or saw to the left of the set screws on the motor tube OR within 2 inches to the right. Motor is inside of the tube with cord on the left*

4. ***If The Automated WardrobeLiftTM is installed behind cabinet/closet doors, ensure that the wireless wall switch is mounted inside the enclosure.***

STORAGEMOTION INC.

CONTACT PHONE - 704 746 3700

1. Attach LH and RH Mounting Box to the cabinet sides:
   - MAKE SURE THAT EACH SIDE IS PROPERLY ALIGNED WITH EACH OTHER.
   - When mounting the rotating arms, make sure you allow for the arms at the clothes rail position to be slightly forward (½ inch) when in the up position.
   - using the #4x20mm Flat Head Screws See Fig 1,2 and 3 and photo 1 . The longer screws should be used at the bottom of the housing.

2. Lift the arms manually and ensure there is NO BINDING or scraping and that the arms move freely at all times.

3. Sizing the Metal Motor Tube:
   - Measure the closet opening (see Fig 1) Cut metal motor tube 1 1/2 inches less than the closet opening(inside dimension). Do not include the motor head when measuring the tube. See photo 2 for how to place measuring tape on the tube.

4. Attaching Straps to Motor tube:
   - Insert black cap to right side of motor tube.
   - Measure 5/8" from right side of motor tube and place the outer edge of the strap with the taped end of strap, "X" side down against motor tube aligned like the right side strap. This ensures that the straps are the same length when lifting. See photo 5a,5b **(make sure strap seam is facing out so it does not rub on the roller as lift raises)**
   - Drill a hole using 3 /32 bit through the tube and attach the strap with the screw that is provided . Attach metal clip. See photo 5a,5b

5. Mount brackets for the motor tube to the side panels:
   - Mount on the RIGHT side the idler bracket for the motor tube using the 2 #10 screws supplied . See Fig 1,2, 3 photo 4 for where to position.
   - Mount on the LEFT side the bracket with the square cutout . using the 2 #10 screws supplied . See Fig 1,2,3 photo 4 for where to position.
   - The motor must be on the left side for lifting straps to be correct as they must come over the top of the tube as opposed to the bottom of the tube. Straps must unwrap from the top of the tube. See photos A and B.
   - Ensure that small white RESET button on motor head is accessible.

6. Place motor tube in the left side bracket and place white plastic washer onto the right side of motor tube and slide into side bracket. Insert the cotter bin into the motor on the left side. Make sure that straps are coming from the top of the tube as opposed to the bottom of the tube.

Photos A and B

Right

Lifting straps should come from the top of the motor tube.

Wrong

Lifting straps coming from the bottom of the motor tube cause the strap seams to be on the wrong side which may interfere with operation. The roller on the arms may catch on the seam causing the clothes rail to NOT properly engage with the receptacle at the end of the lifting arm.

STORAGEMOTION INC.

7. Size Clothes rail:
   - Cut clothes rail 1 ½ inches shorter than the inside width of closet opening
   - Drill small holes 1 inch from the ends See Figure 4 .
   - ADD 2 COLLARS to the clothes rail.
   - ADD 2 END CAPS to clothes rail

8. Attach Straps to clothes rail:
   - Unwrap straps by hand and place clothes rail in strap loops so straps are ½" from edge of tube to edge of strap (see fig.4)
   - Add small black anchor screws . Drill with 3 /32 bit 1" from edge of tube and place the screw through the strap material. See figure 4

9. Position straps in the receptacle on the rotating arms. See Photo 4

10. Connect Plug to motor Cord:
   - If not being hardwired by an electrician, connect the plug to the motor cord. The brass screw goes with the black wire ,silver screw with white ,and the green screw head goes with the green wire (ground).

11. 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 for the motor (marked on back of transmitter and marked on the motor tube)

12. Setting the upper and lower clothes bar positions on the remote:
    - Damage to the unit can occur if steps are not preformed properly.
    - It is also best to have the clothes pole loaded when setting the limits so that an exact stop and start position can be repeated when the lift is in use
    - On the remote, slide the black cover up to expose very small left and right keys. (see photo 6 and 7)
    - SET DOWN POSITON: Press **left** key once then press **DOWN** button first …then press the down or up buttons to position ...lower the unit then press **STOP** (center button) . This sets the lower position.
    - SET UP POSITION: Press **left** key once then press **UP** button first... then press the down or up buttons to position… once the arms are just slightly forward from vertical, push the **STOP** button (center button) once to complete the setting.
    - Test the UP and DOWN buttons to make sure the positions are set properly and that the clothes rail is aligned properly so that is goes into and out of the claw easily.

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.

13. Testing the unit:

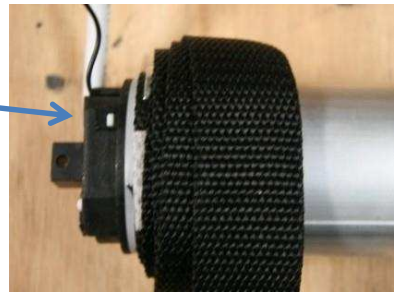
- If clothes rail is crooked, the right or NON motor side strap can be adjusted by setting a new securing screw position on the motor tube. See photo 5a for screw location .
- ONLY the Right or NON motor side strap can be adjusted at the tube.
- Remove the screw and relocate the strap and reinsert the screw. See photo 5a ,5b
- Make sure that arms and straps are properly aligned. Move the strap in the clothes rail if necessary. If clothes rail does not go properly into the receptacle area during the up operation PLEASE check the arms to ensure they are parallel.

Also ensure there are no alignment problems with respect to the straps on the clothes rail. If so, the screw in the cloths rail can be removed and the strap slid left or right as necessary then reinsert screw

ENSURE THAT 1-2 WRAPS of the LIFTING STRAPS STAY ON THE MOTOR TUBE WHEN CLOTHES RAIL IS IN THE DOWN POSITION.

STORAGEMOTION INC.

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



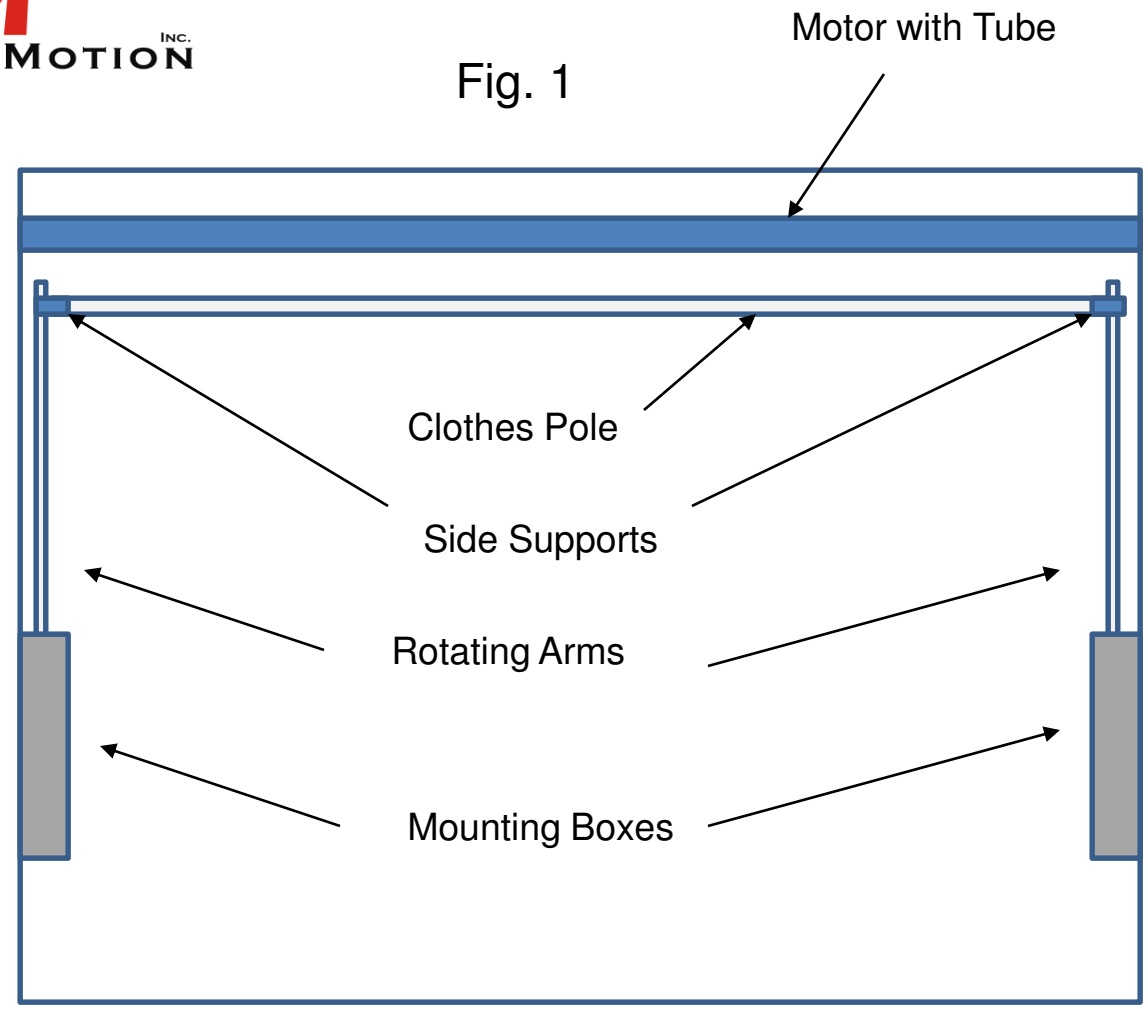
Trouble Shooting

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 or acts improperly. (Be sure to cut power and reconnect)	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.
Switch light out	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.

CONTACT PHONE - 704 746 3700

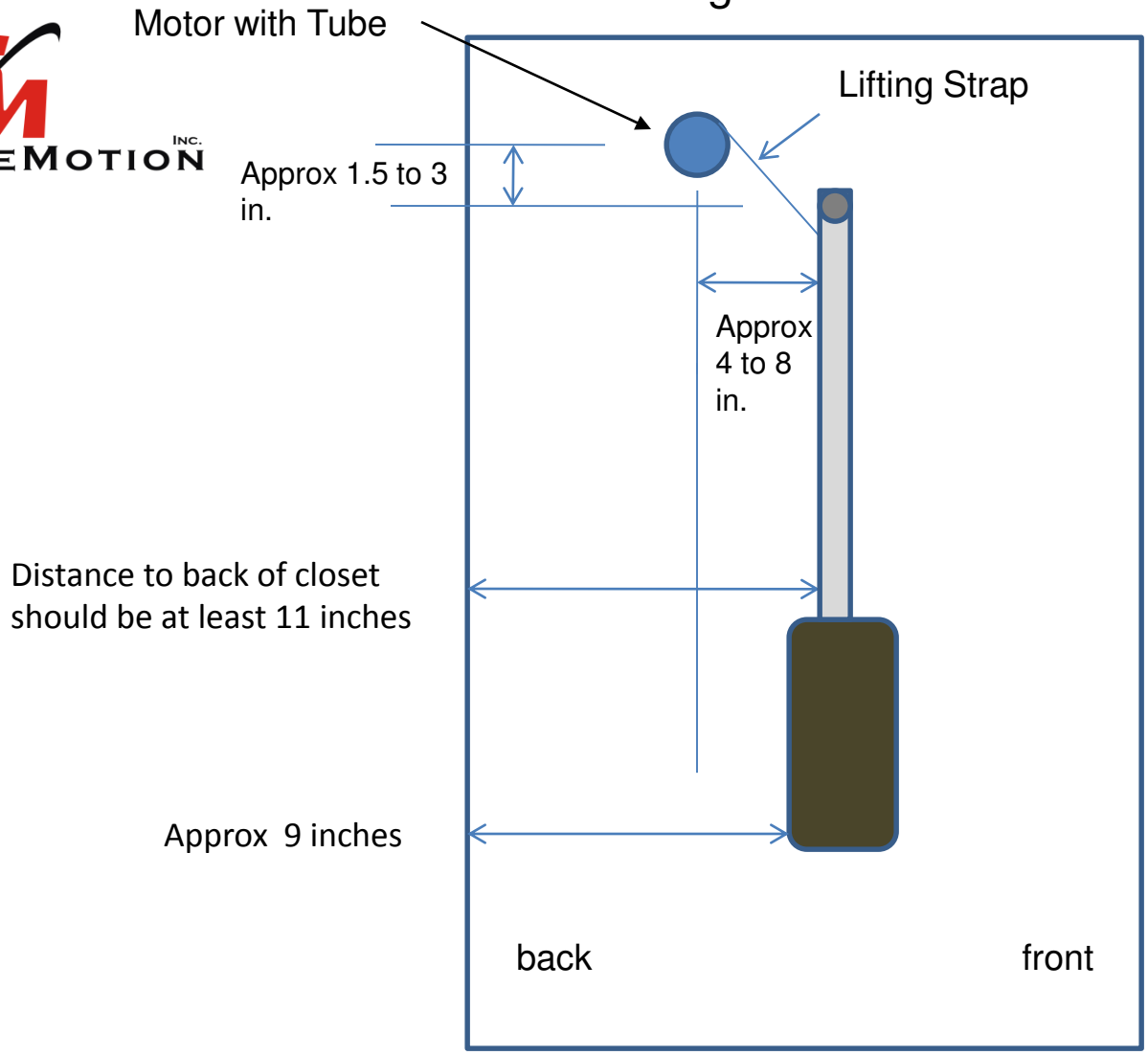
STORAGEMOTION INC.

Fig. 1



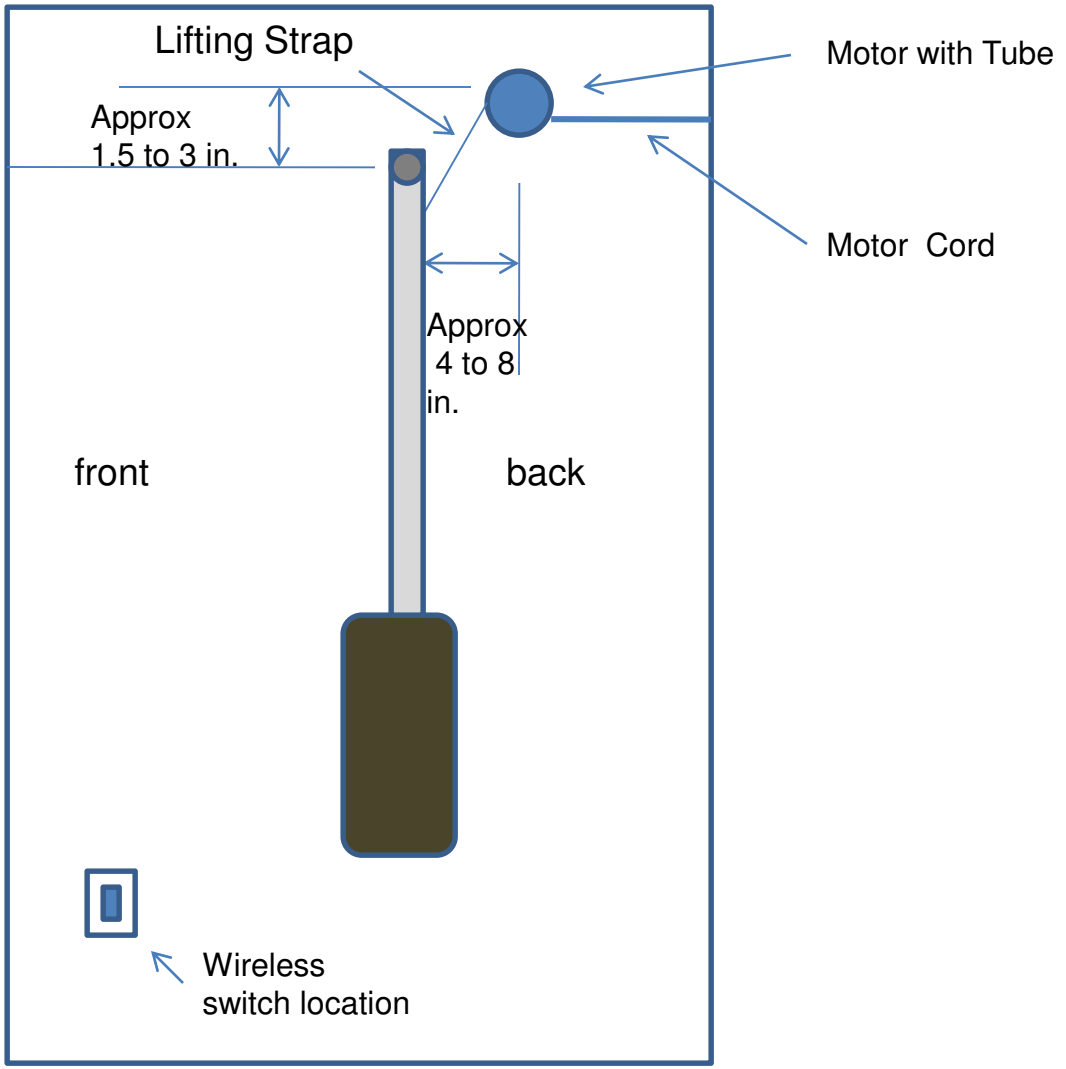
WARNING – Make sure the arms are mounted above the height of the user when in the down position

Fig. 2



Right hand side view

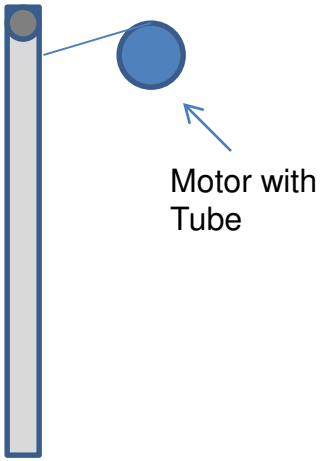
Fig. 3



Left hand side view

WARNING – if motor is mounted too low it is possible to damage the unit when setting the UP limit as too much leverage will be gained

Motor mounted TOO low!



STORAGEMOTION INC.

Fig. 4

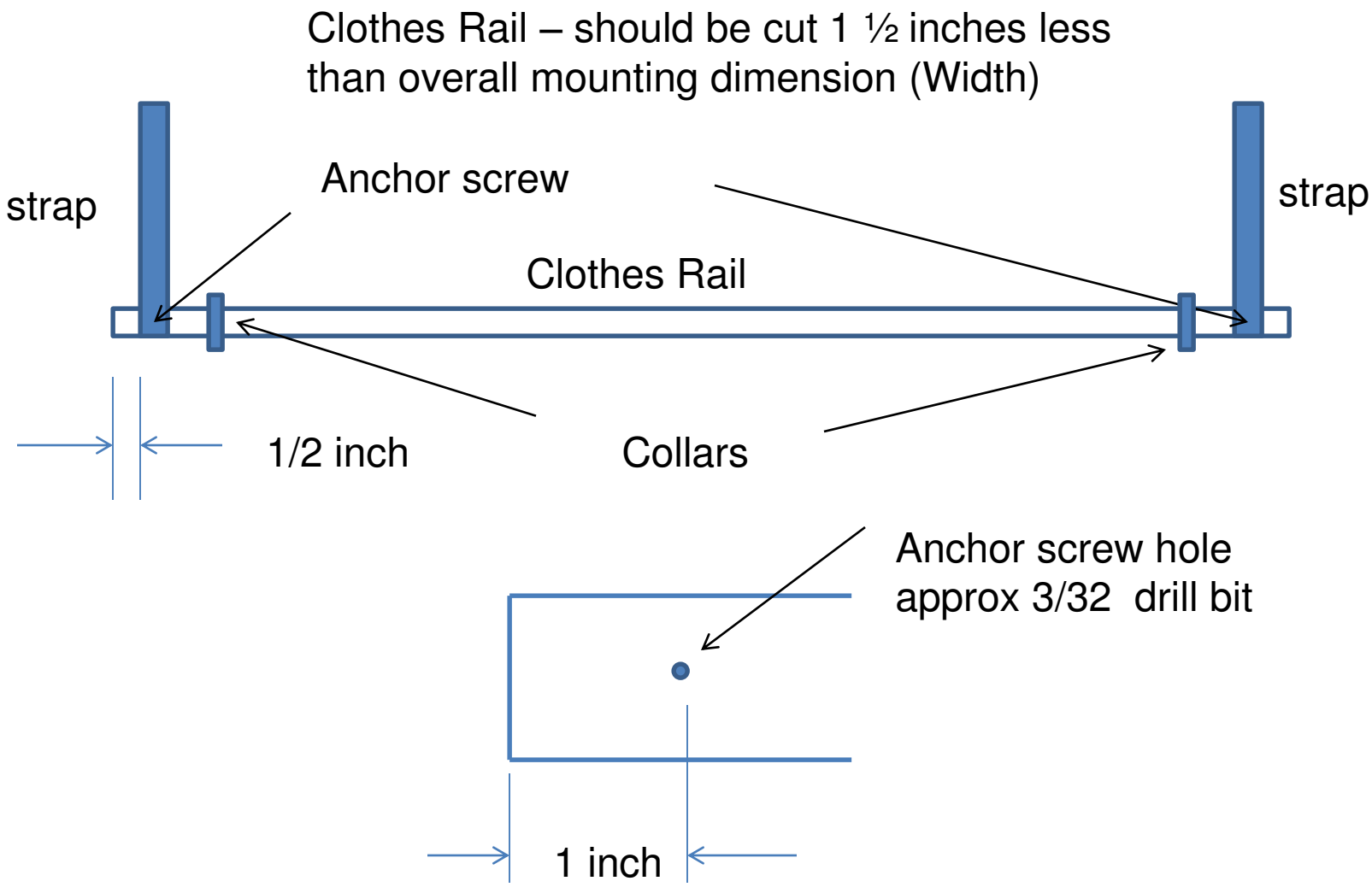


Photo 1

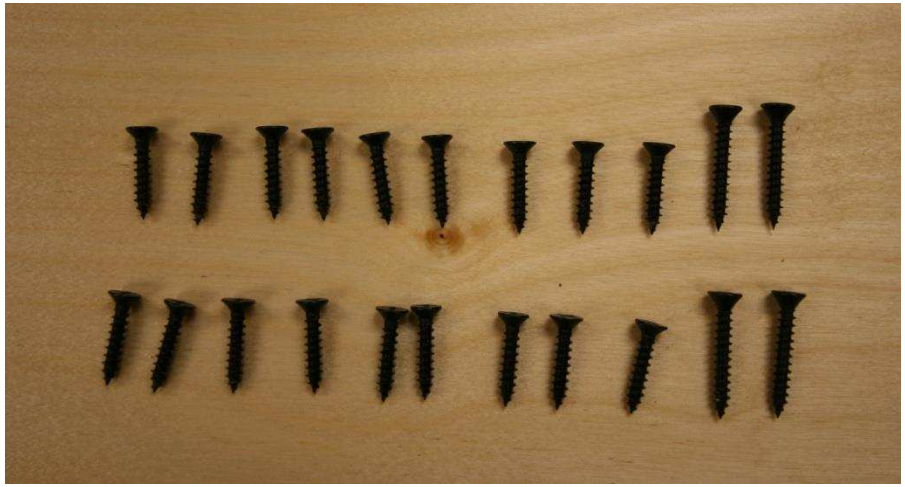


Photo 2

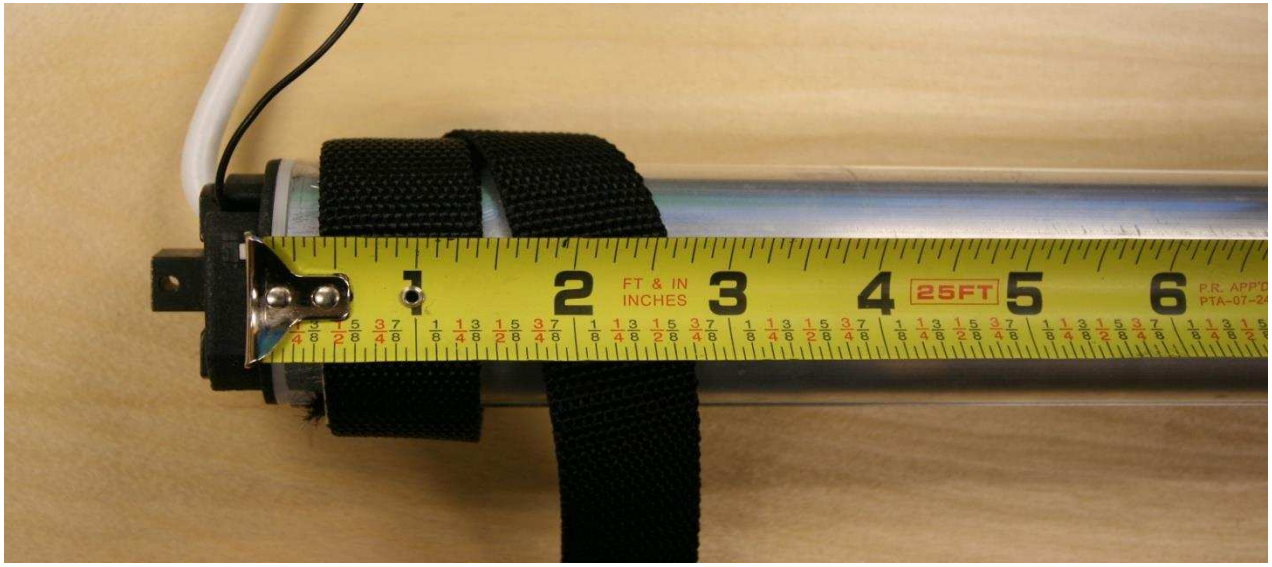
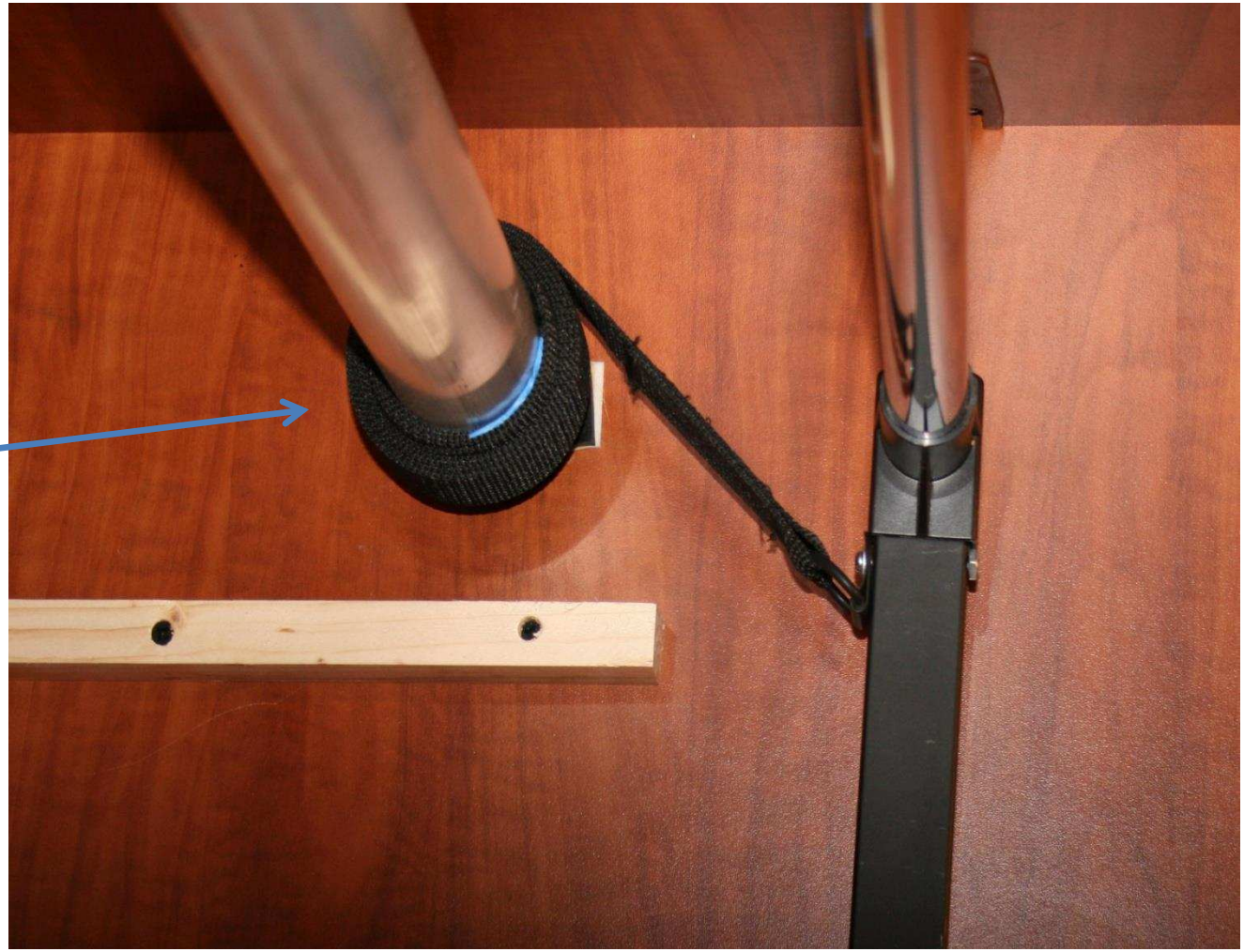


Photo 3

See approximate location of motor tube in relation to rotating arm

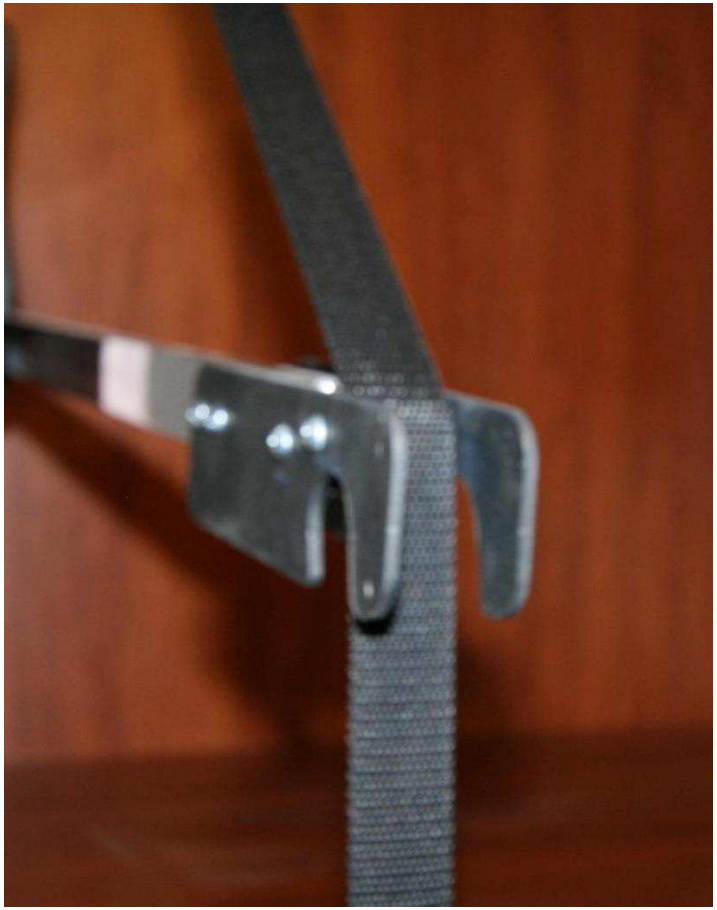


NOTE: Photo is of a STANDARD lift but same positioning also applies to the EXTENDED lift

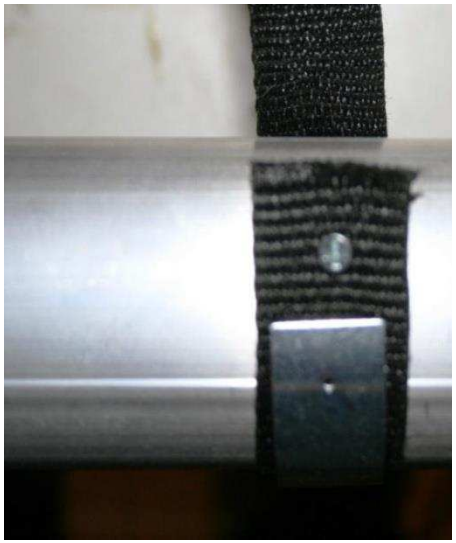
Patent Pending

STORAGEMOTION INC.

Photo 4



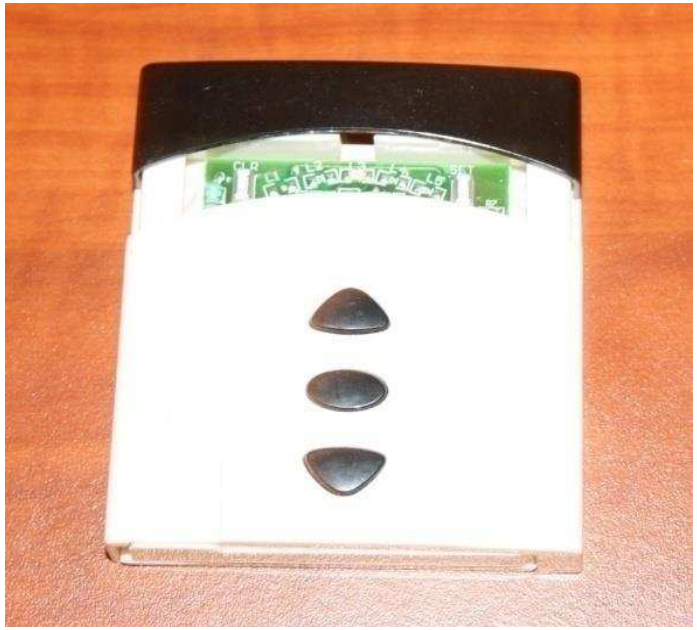
Photos 5a ,5b



Patent Pending

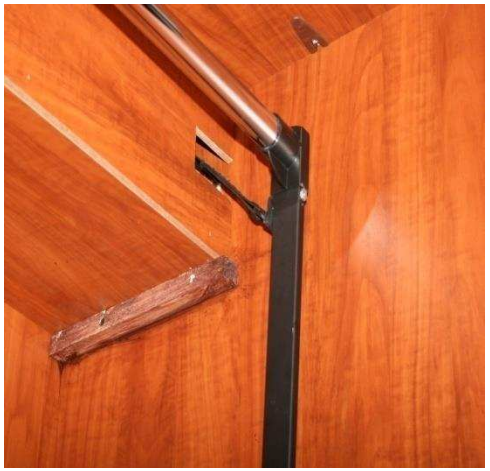
Photo 6

Photo 7



Patent Pending

STORAGEMOTION INC.



See above photos 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

Patent Pending