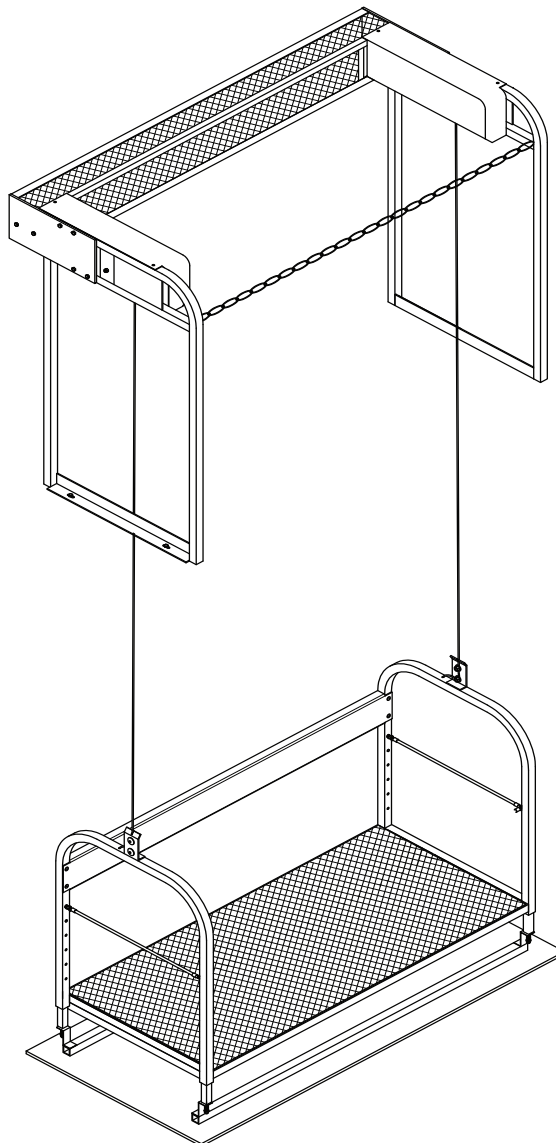




## INSTALLATION INSTRUCTIONS

### MAJIC ATTIC LIFT



Welcome and thank you for purchasing the Majic Attic Lift by Majic Stairs. We hope you will enjoy the ease of use and safety that our attic lift provides. Please thoroughly read all aspects of the installation instructions when beginning your Majic Attic Lift installation as we have included numerous safety measures for your protection. Be sure to also locate the owners manual in order to understand all aspects of the lift operation before use. Stay safe and enjoy!



# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

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# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

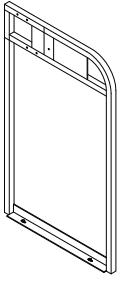
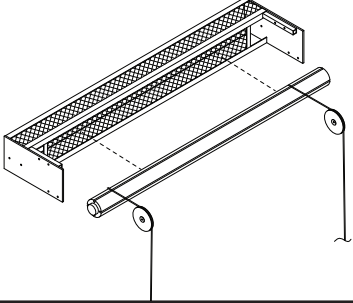
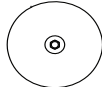
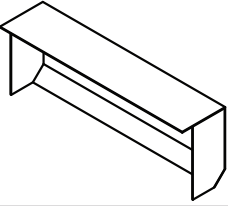
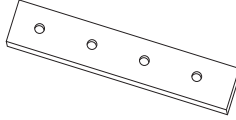
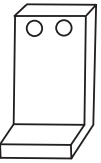
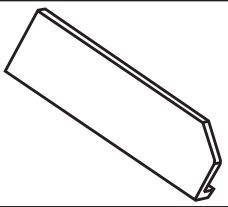

## Section 1: Safety Precautions

### **DANGER**

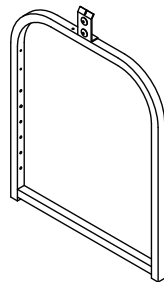
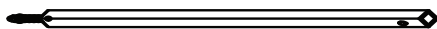
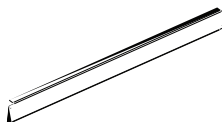
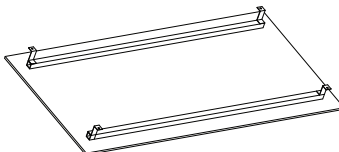
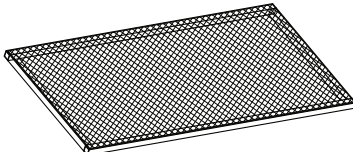
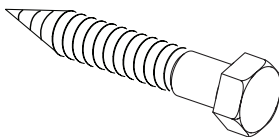
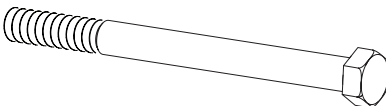
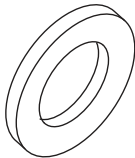
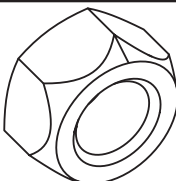
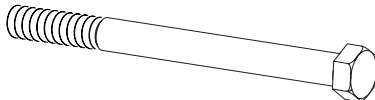
- No person under 18 years of age should be allowed to operate this product.
- Children should be kept away from the lift when it is in operation.
- When not in use, remove the remote control and store it where children cannot get it.
- When not in use, always raise the basket until it's closed.
- This product can cause serious injury or death to anyone who attempts to ride, or install or operate the lift improperly.
- When working in the attic, stay on the decked areas.
- If you must enter non-decked areas, stay on the joists. The material between the joists will not support your weight and will collapse if you stand or sit on them.
- Be alert to overhead hazards such as exposed nails.
- Be aware of and avoid openings such as the ladder opening or the lift opening when you are working or moving around the attic.
- When working over the opening, cover it with a piece of plywood and be aware of the opening as a safety precaution.
- When working with power tools, follow all the manufacturers' safety guidelines and wear approved safety gear.
- Do not work alone in a hot attic if you have any health condition that could affect your balance, mobility, or cause you to lose consciousness.
- Do not work in the attic in the heat of the day as this can cause heat exhaustion. Morning hours are the coolest times to work in the attic.
- Do not operate this equipment in damp, wet, or poorly lit attic spaces.
- Do not use this equipment in the presence of flammable gases or liquids.
- Keep the work area clear of obstacles to prevent falls or injury.
- Use only grounded power outlets or extension cords.
- To reduce the risk of accident, severe injury, or death, all persons must read and understand the product instructions completely before installing this equipment.
- Do not stand under or allow anyone to stand under the lift while in operation.

# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

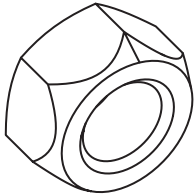
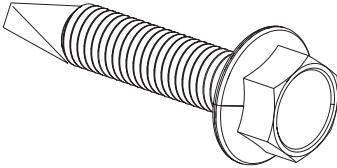


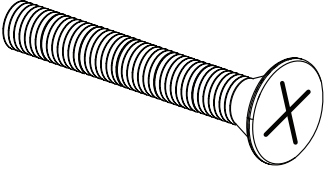
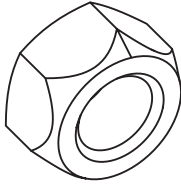
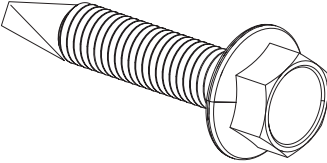
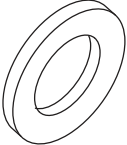
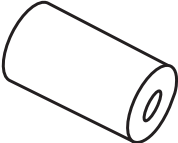
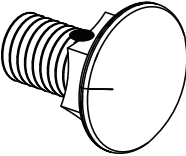
## Section 2: Components

Quantity	Part	Picture
Attic Parts - Upper Workstation		
2	Upper Arm (labeled left and right)	
1	Motor Housing (Motor, Roller Tube, Cable)	
2	Pulleys	
2	Pulley Cover (labeled left and right)	
1	Stabilizer Bar	
1	Stop Angle	
4	12" Corner Guide	
1	Safety Strip	

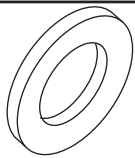
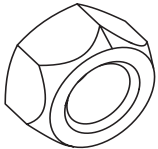
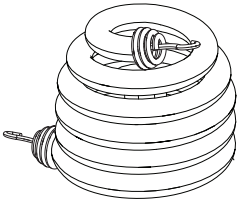

# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

Quantity	Part	Picture
Basket Parts - Lower Workstation		
2	Basket Arm (labeled left and right)	
4	Basket Leg	
1	Basket Back Brace	
1	Bottom Door Frame	
1	Floor	
Attic Hardware - Upper Workstation		
4	5/16" x 2" Lag Bolt	
4	5/16" x 1 3/4" Bolt	
8	5/16" Washer	
4	5/16" Nylock Nut	
2	10mm x 3 1/2" Bolt	

# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

Quantity	Part	Picture
Attic Hardware - Upper Workstation Continued		
2	17mm Nylock Nut	
6	#12 - 3/4" Tek® Screw	
24	Galvanized 1 1/4" Nail	
1	Red Safety Chain	
Hardware - Lower Workstation		
4	1/4" x 2 1/2" Flat Head Bolt	
8	1/4" Nylock Nut	
4	#12 - 3/4" Tek® Screw	
4	1/4" Washer	
4	Nylon Spacer	
4	3/8" x 1" Carriage Bolt	

## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

Quantity	Part	Picture
Hardware - Lower Workstation Continued		
4	3/8" Washer	
4	3/8" Nylock Nut	
2	12" Bungee Cord	
1	Remote	

### Section 3: Required Tools

- Tape Measure
- Pencil
- Sawzall
- Sawzall Blade
- Drill
- 1/4" Drill Bit
- Hammer
- Phillips Head Screwdriver
- 5/16" Nut Driver
- 3/8" Ratchet
- 7/16" Wrench
- 9/16" Wrench
- 17mm Wrench
- 17mm Socket
- Impact Driver
- Skill Saw
- 1/2" Socket
- 1/2" Wrench

# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

## Section 4: Attic Preparation

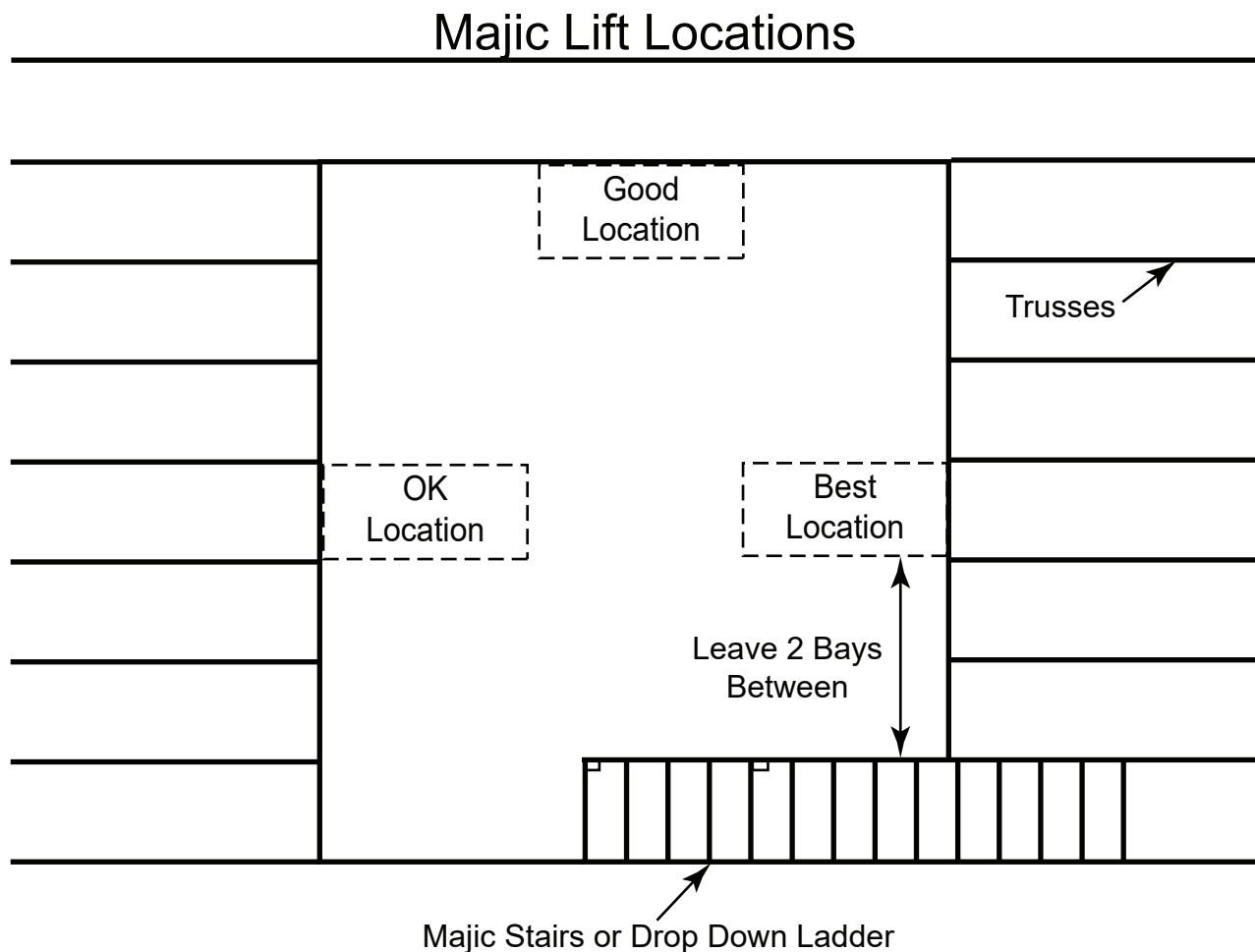
### Lift Location

NOTE: Wiring the Majic Attic Lift electric outlet (110V) to the attic light switch is required. Majic Attic Lift recommends hiring a licensed electrician for this procedure.

1. Determine where to install your Majic Attic Lift. Install your lift with at least one bay between the stairs/ladder and lift, preferably two. This leaves you enough room to move your items onto and off of the lift basket. You load from only one side of the lift, so be sure to position your lift where you can access the cargo. (See Figure 1 for possible locations.)

NOTE: If the framing is not truss construction, consult an engineer on how to prepare an opening.

Figure 1



# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

## Cutting a Hole for the Lift

### DANGER

- Always be certain that there are no wires, gas lines, or fixtures where you are cutting. If you are unsure, consult a contractor.
- The end block has to be true and square in order to properly operate the lift.
- Never stand on drywall or sheetrock. It is not strong enough to support a person or any heavy object.

1. The lift is designed to fit between standard truss systems at 22.5".

NOTE: Be certain you have adequate spacing before making any cuts. It is important that you never cut any part of the truss.

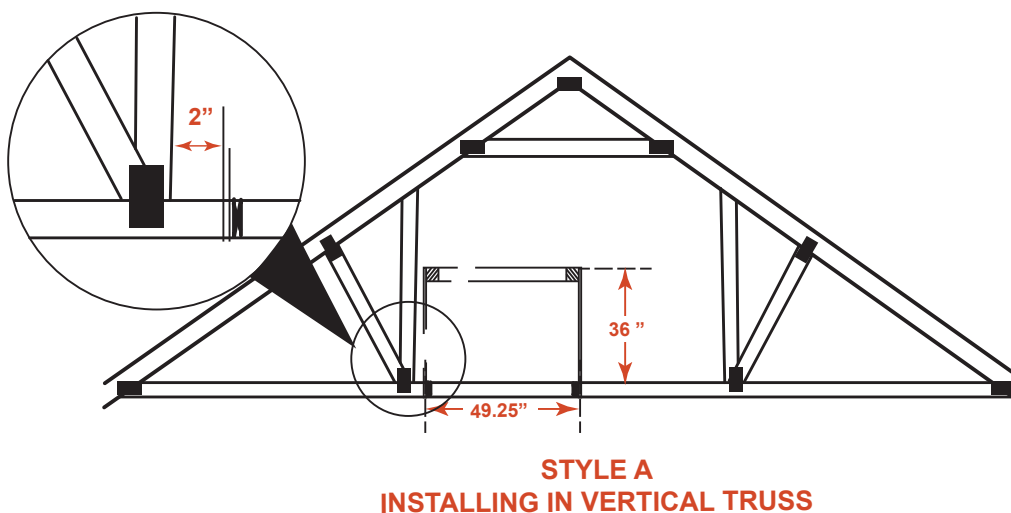
2. There are two standard truss styles, Style A and Style B.

Style A: Figure 2 is a vertical truss which creates an open area within the truss where a floor usually has been installed for better storage.

Leave a 2" space between the vertical truss member and the start of the opening. (See Figure 2 for reference.)

NOTE: When installing the lift in Style A, push the motor all the way into the second hole of the upper arm.

Figure 2

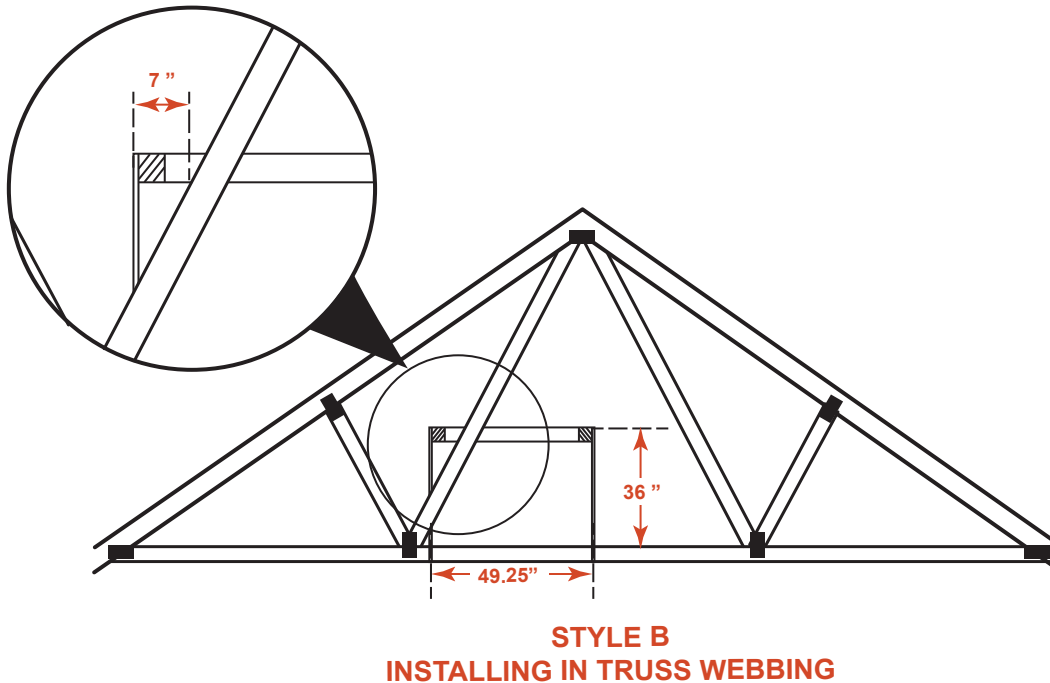


## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

Style B: Figure 3 is a truss that has many angles going in different directions. Typically, you will have to add flooring to this style truss.

After you pick the location, measure 36" off the floor (that is the height of the lift - See Figure 2). If there is not a truss member in the way, make a hole 49.25" by 22.5". If there is a truss member in the way, keep the 7" space clear for the lift cable to wind onto the roller tube. (See Figure 3 for reference.)

Figure 3



3. Remove any decking, plywood, insulation, and drywall from the 49.25" by 22.5" opening previously laid out.

## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

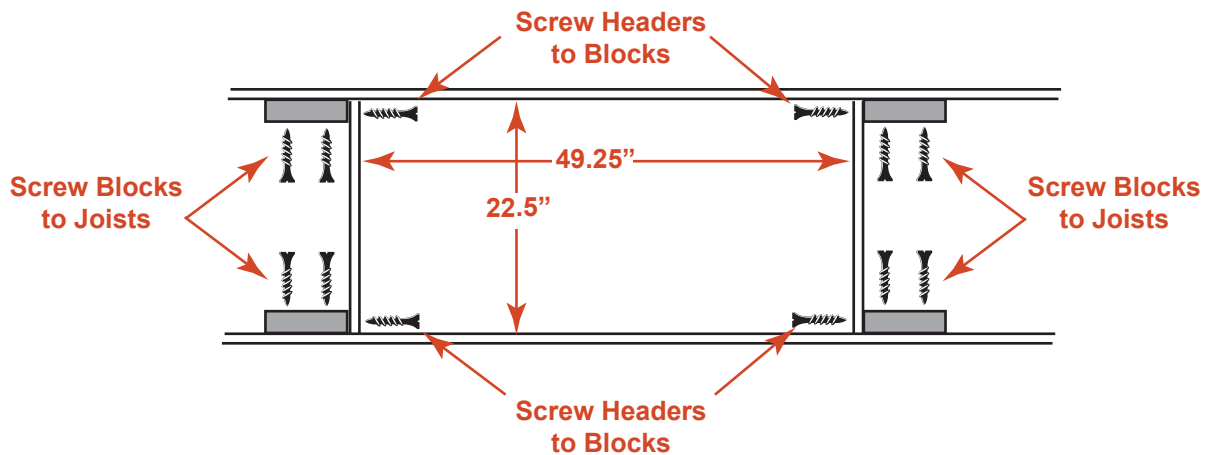
- Using the same size lumber as your floor joist, cut two 22.5" pieces to insert into the space between the trusses. Anchor these to the adjacent trusses with some deck screws.

(See Figure 4 for reference.)

**\*\*This area will be the load bearing structure for the weight (150 lb max) of the items loaded in the basket and the Majic Attic Lift combined.\*\***  
**It is important that you perform the following instructions.**

NOTE: If you cannot reach behind the truss to drive a screw, cut four 8" blocks that you can fasten to the truss from the opening you are working in. Use the larger block to push the smaller one back to the point where the larger one is flush with the opening. Put a couple of 3" deck screws into the smaller blocks, then you can place your header between the trusses and use two 3" deck screws per side to attach to the blocks you just placed.

Figure 4

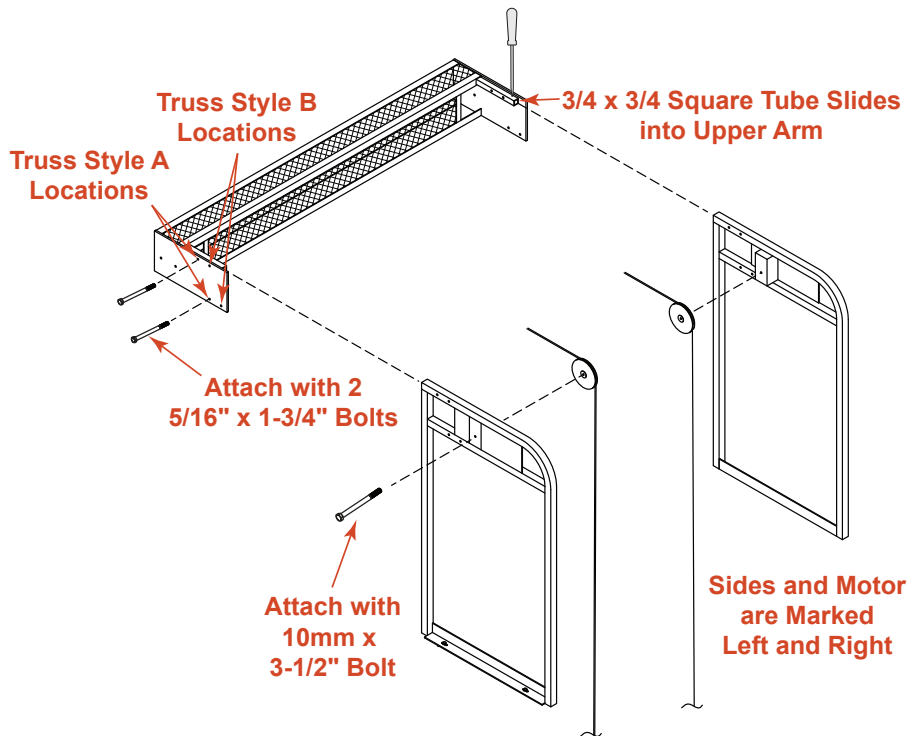


# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

## Section 5: Attic Assembly



Figure 5



NOTE: See Figure 5 as reference for steps 1-12. The following steps are to be assembled inside the attic work station. (DO NOT plug motor to power until the basket is attached (Section 7))

1. Start with one of the upper arms and attach a pulley. Use the (2) 10mm x 3.5" bolts and 17mm nuts.

NOTE: Each arm is marked with a "L" and "R" for left and right.

2. Make sure the pulleys are facing inward and insert the bolts through the upper arm frame and then through the pulley.

NOTE: You may need to tap the bolts through if powder coating has filled the hole slightly.

3. Once the bolt is completely through, thread on a locking nut and tighten.
4. Repeat Steps 1-3 for the remaining upper arm.
5. Looking from the front of the opening, place the left arm on the left side of the attic opening leaving 1/8" of the attic floor exposed.

## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

6. Using a pencil, mark where the slots on the left upper arm meet the plywood and temporarily set aside the left upper arm.
7. Pre-drill a hole with a 1/4" bit at the center of each slot mark.
8. Put the left upper arm back in place and insert two 2" lag bolts and a 5/16" washer for each lag bolt and tighten.
9. Repeat Steps 5-8 for the right upper arm.

### NOTES:

- For Step 10, a second person is needed to help mount the motor assembly onto the back of the arms.
- If needed, you can slightly flex the metal plate on the left and right side of the motor assembly away from the rail next to it for an easier fit. (See Figure 5 for reference)

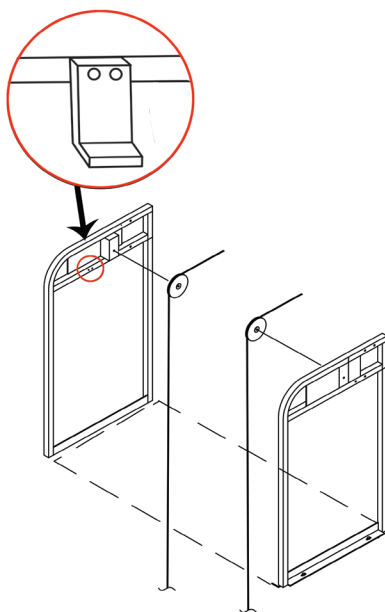
10. Slide the motor assembly into the top rail of the upper arms.
11. Install (2) 5/16" x 1-3/4" bolts, (2) 5/16" washers, and (2) 5/16" nylock nuts on each side of the motor assembly and tighten a little, but not completely.

### DANGER

Be careful to not fall when leaning over the opening.

12. Loop the cables over each of the pulleys and drop them down to the floor ensuring there is nothing below. (See Figure 6 for reference.)
13. Install the 2"x 2"x1.5" Stop Angle on the left upper arm **with stop angle facing down** into pre-drilled holes using (2) #12 Teks® screws.

Figure 6

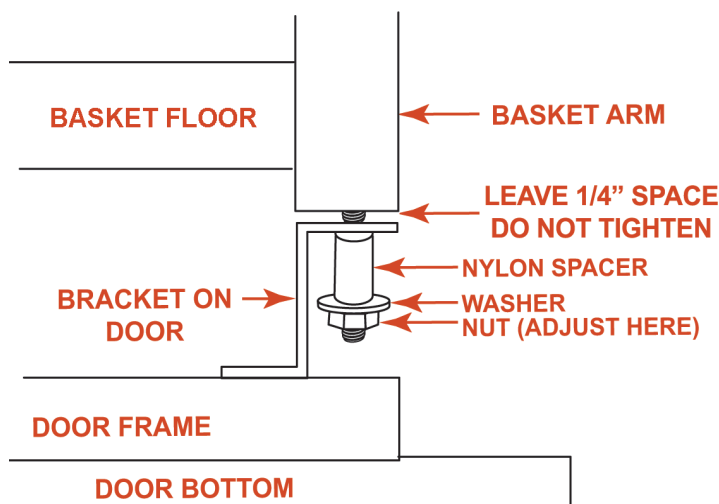


# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

## Section 6: Basket Assembly

1. The basket floor is adjustable to varying attic floor sizes. The bottom door is set at the factory to accommodate a 6" truss or floor joist. You can change the basket floor height to match your attic floor system by pushing in on the buttons on each basket arm and extending or retracting the leg. Basket arms are labeled according to lumber sizes noted in the table at the bottom of the page.
2. Bolt the basket arms to the basket floor using two 2-1/2" flat head bolts and lock nuts for each arm.  
NOTES:
  - Use a Phillips head screwdriver to hold the bolt while tightening the nut to avoid scraping the powder coating off of the arm.
  - Do not completely tighten the bolts yet.
3. Attach the basket back brace with four 3/4" Teks® screws into the pre-drilled holes at the top and back of each arm.
4. Fully tighten the four bolts from Step 2 holding the arms to the floor.  
  
NOTE: Tighten from the back to avoid chipping the powder coat.
5. With the help of a second person, lift the basket assembly onto the bottom door frame.
6. Place a threaded leg into each one of the holes on the four corners of the bottom door frame. (See Figure 7 for reference)
7. For each leg attach a nylon spacer, 1/4" flat washer, and lock nut.

Figure 7



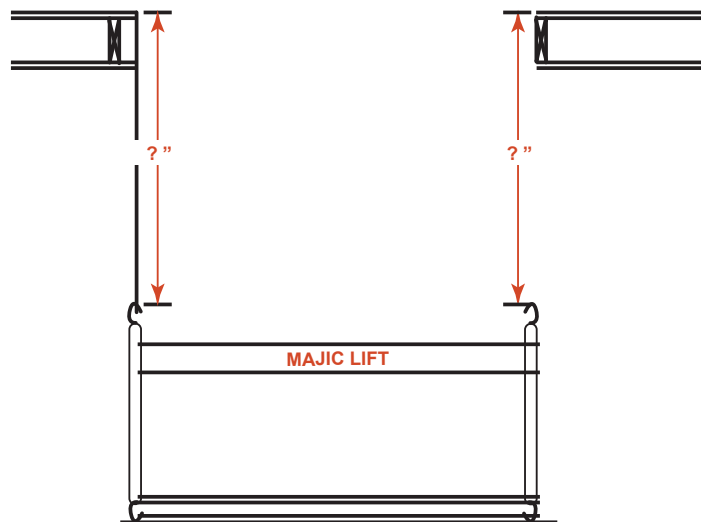
Truss Sizes & Notch Placements	
Lumber Size	Notch Adjustment
2x4 = 4	Retract 1 Notch
2x6 = 6	None (factory setting is for 6" Truss size)
2x8 = 8	Extend 1 Notch
2x10 = 10	Extend 2 Notches
2x12 = 12	Extend 3 Notches
2x14 = 14	Extend 4 Notches
2x16 = 16	Extend 5 Notches

## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

8. With the help of a second person, place the assembled basket under the attic opening.
9. Measure from the top of the attic floor to the top of the cable bracket on the basket. This measurement must be the same on both sides. (See Figure 8 for reference.)

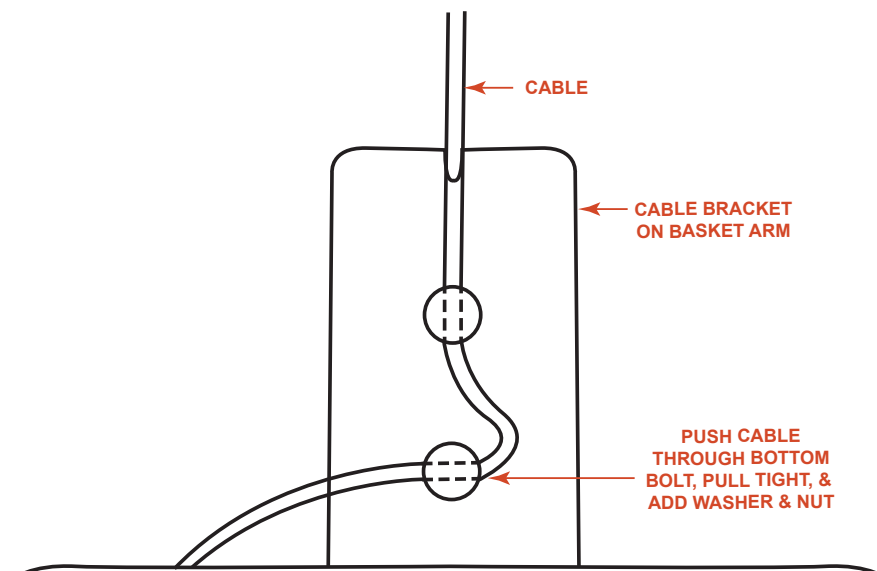
NOTE: If needed, temporarily-shim under the bottom door on the side that needs to match the measurement of the other side.

Figure 8



10. Locate two of the carriage bolts with pre-drilled holes and insert each carriage bolt from the outside into the top hole of each basket arm.
11. Ensure the pre-drilled hole on the carriage bolt is vertical. (See Figure 9 for reference.)

Figure 9



## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

12. Pull the lifting cable through from the top and pull down until snug. (See Figure 9 for reference.)

13. Add a flat washer and lock nut to both sides and tighten onto the carriage bolts, so they hold the cable.

NOTE: Do not over tighten or the carriage bolts will break. A maximum of 15 pounds of torque is recommended.

14. Add the two remaining carriage bolts into the basket arms with the pre-drilled holes in the horizontal position. (See Figure 9 for reference.)

15. Push the cable through the hole from the front to the back of the basket and pull tight.

16. Add a flat washer and lock nut to both sides and tighten onto the carriage bolts, so they hold the cable.

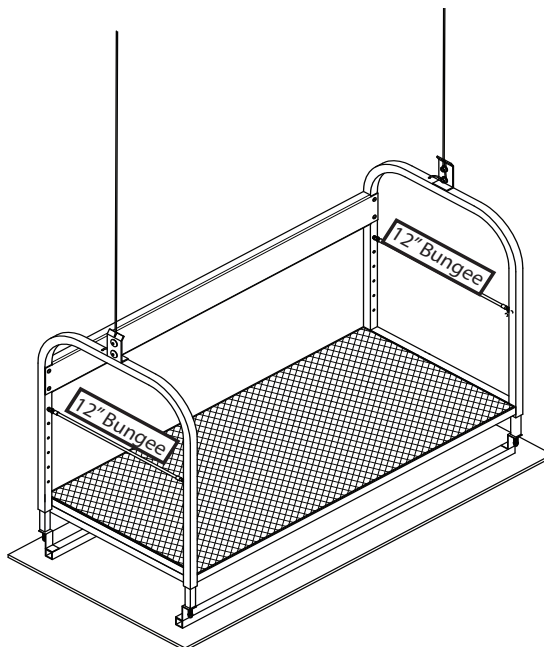
NOTE: Do not over tighten or the carriage bolts will break. A maximum of 15 pounds of torque is recommended.

17. Measure 12" of cable past the cable bracket and cut the remaining cable off.

18. Push the 12" piece into the 1/4" hole in the top of the bracket arm.

19. Attach the bungee cords. (2) 12" bungees are for LEFT and RIGHT side. (See Figure 10 for reference.)

Figure 10



# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

## Section 7: Basket Adjustment

1. With the motor plugged in, pair the remote to the motor by holding both “Up” and “Down” simultaneously until the motor jogs.

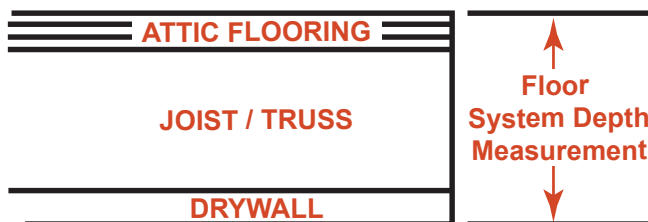
NOTE: Motor jog is a slight motor movement both forward and backwards.

**⚠ DANGER**

Do not stand or allow anyone to stand under the basket.

2. Push the “Up” button and hold it to raise the basket until it is chest high, then use the "My" button to stop the motor.
3. Go to the attic and measure the height from the bottom of the ceiling drywall to the top of the attic floor and add 1/4" to this measurement. (This is your floor system depth measurement.) (See Figure 11 for reference)

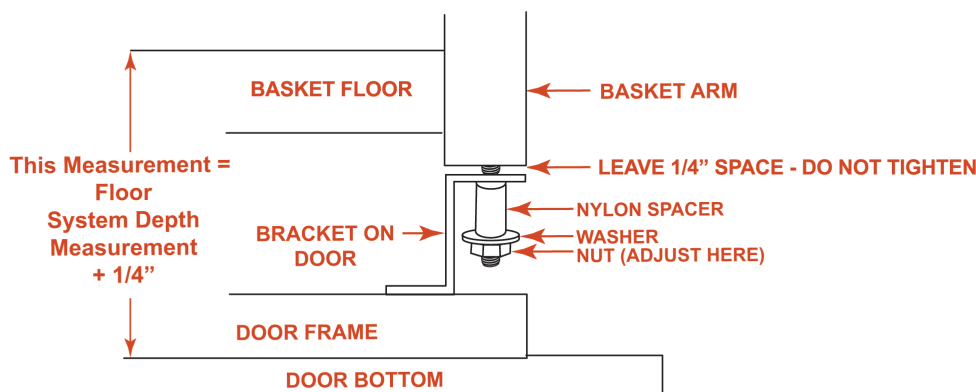
Figure 11



4. From the inside of the bottom door to the top of the basket floor, match the floor system depth measurement from Figure 11 above PLUS 1/4" by adjusting the nuts on the basket legs. (See Figure 12 for reference)

NOTE: The measurement from the top of the door to the ceiling drywall must be exact to ensure all four corners contact the ceiling simultaneously.

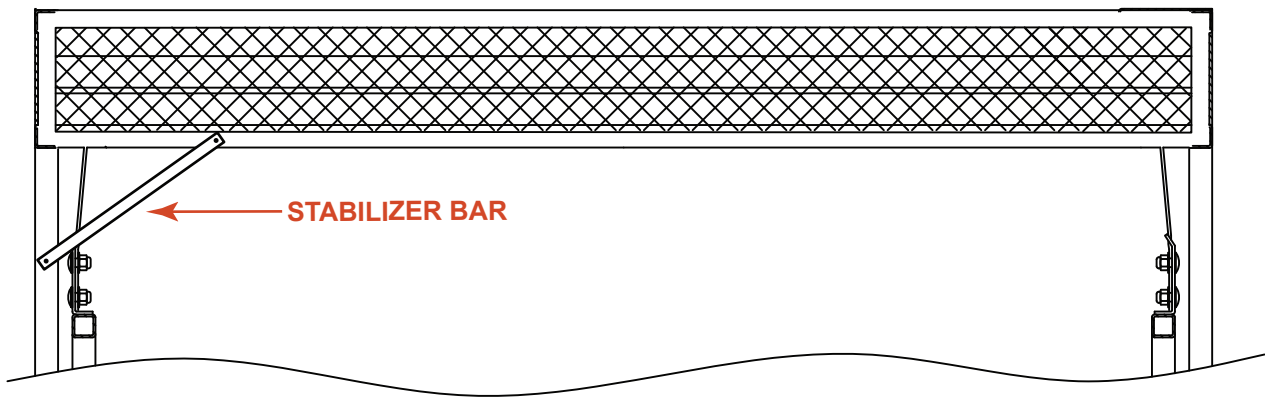
Figure 12



## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

5. After adjusting all four legs, use the remote to raise the basket until it is half way in the attic.
6. From the attic, looking down into the opening, the spacing between the basket and the opening should be even on all sides.
7. To adjust the basket front to back, loosen the lag bolts on the attic frame and slide the frame as needed.
8. To adjust side to side, from the back side of the motor housing, push or pull the frame until the basket is centered and hold that position by attaching the stabilizer bar to the bottom angle of the motor housing and to upper arm with a Teks screw. (See Figure 13 for reference)

Figure 13



9. Once the basket is centered in the opening, you can go back and tighten the four bolts holding the motor to the frame.

NOTE: Make sure to tighten all four lag bolts if you have loosened them.

10. With the lift in the up position, using two 3/4" Teks screws each, install both the left and right pulley covers. (See Figure 14 for reference.)

NOTE: Make sure to keep enough space on the motor side for the cable to wind over the roll tube.

11. Using the floor system depth measurement that you used to set the basket legs and now add 1". Cut the (4) white 12" corner guides to match the floor system depth measurement plus the 1".

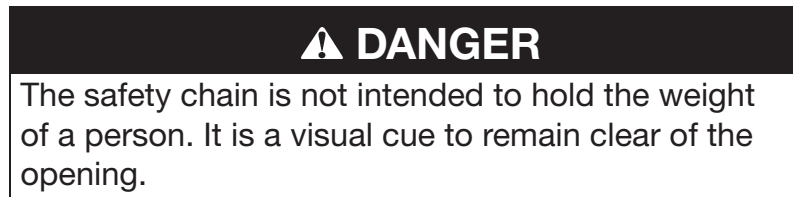
## MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

12. With the corner guides flat end flush with drywall, secure (1) measured corner guide into each corner of the opening. Use (4) small galvanized nails, leaving a minimum of 1 inch above the attic floor. (See Figure 14 for reference)

NOTE: The corner guides cannot hang below the ceiling and the cut angled end must be facing toward the attic space.

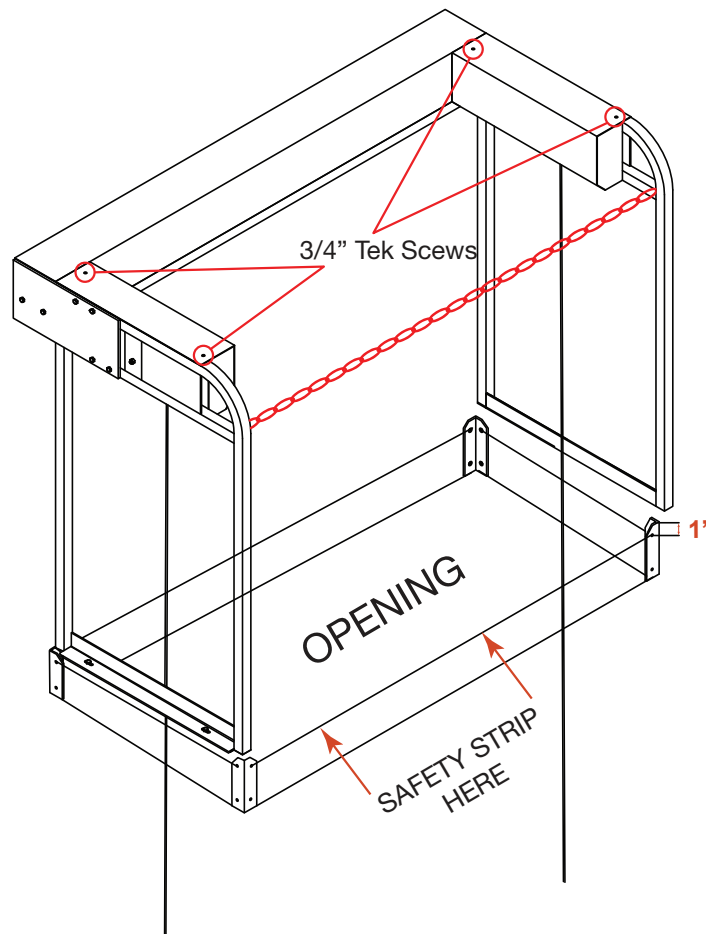
**\*\*THESE GUIDES MUST BE IN PLACE FOR SMOOTH OPERATION OF THE LIFT\*\***

13. Attach the RED safety chain to the frame (See Figure 14 for reference).



14. Using (8 ) of the 1.25" Galvanized nails, install the vinyl safety strip across the open side of the lift opening.
15. Secure and zip tie the electrical cord to the motor frame, so it is not in the path of the lift.

Figure 14



# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

## Section 8: Remote Programing

Figure 15



1. Press and **"Hold"** the "Up" arrow and allow the lift door to close tight to the ceiling. If the door does not close tight, there is something obstructing the basket or the door is not adjusted with equal spacing at each corner.
2. Once the door is closed tight to the ceiling, tap the "Down" arrow and the basket will make a slight movement down.
3. Tap the "Up" arrow and the door will close again. Be sure not to put excess pressure on the door at this time.
4. Press and **"Hold"** the "My" **and** the "Down" buttons simultaneously. When the basket starts to move you can release the buttons. The basket should continue to the floor and stop.
5. With the basket on the floor, the cables will be slightly loose. Tap the "Up" arrow until the cables are tight, with the basket still resting on the floor.
6. Press and **"Hold"** the "My" **and** the "Up" buttons simultaneously. The basket will start to climb. Release the buttons. Let the basket rise to the ceiling and stop.
7. Hold the **"My"** button until the basket jogs..
8. Turn the remote over and with a nail or pen, push and **Hold** the small recessed button until the basket jogs.
9. The motor is now programmed.

# MAJIC ATTIC LIFT PRODUCT INSTRUCTIONS

## Section 9: Troubleshooting

Problem	Remedy
Nothing happens when the remote button is pushed.	<ol style="list-style-type: none"><li>1. Make sure the light is blinking on the remote; if not, replace the batteries.</li><li>2. Check the breaker to ensure the power is on.</li><li>3. Repeat Section 7 Step 1 if lift moves up or down and Section 8 Remote Programming.</li></ol>
The lift goes up and when it hits the ceiling it comes back down about 1'.	<p>The lift motor senses something is in the way.</p> <ol style="list-style-type: none"><li>1. Make sure nothing obstructs the door from closing.</li><li>2. Check that all four corners touch the ceiling at the same time.</li></ol>
The lift goes up but the door does not close tight.	<ol style="list-style-type: none"><li>1. With the door in the closed position, press and hold the UP &amp; DOWN arrows until the motor jogs(this could take up to 30 seconds for the motor to respond) After the jog tap the UP arrow until the door JUST closes. DO NOT PUT EXTRA PRESSURE ON THE DOOR. After the door is up to the ceiling hold the MY button and the motor will jog. Finished.</li></ol>
When the basket comes down to the floor and stops the cables are loose.	<ol style="list-style-type: none"><li>1. With the basket stopped in the lower position, press and hold the UP &amp; DOWN arrows until the motor jogs. (IT CAN TAKE UP TO 30 SECONDS FOR THE MOTOR TO RESPOND) After the jog, tap the UP arrow until the cables are tight. Press and hold the MY button until the motor jogs. Finished.</li></ol>





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