

# Installation of the

LDS 2005A or LDS 2006A Pulpit Lift

Manufactured by Mark Eaton LLC

There are 2 sizes of lifts  
Manufactured by Mark Eaton  
LLC

LDS 2005A is for 8 3/4" to 9" Necks

Inside height is 18"+

Replaces:

Pulpit Man

chain drive lifts,

Techna-base lifts,

LDS2004A lifts, etc.

LDS 2006A is for 6 3/8" t 6 5/8" necks

Inside height is 18"+

Replaces:

Gifford/Pulpit Man  
adjust-a-height lifts  
Water lifts, etc.

# Replacing An old Pulpitman lift



# BEFORE YOU BEGIN

LAY DOWN A DROP CLOTH TO  
HELP PROTECT THE FLOOR  
AND SURROUNDING AREA  
FROM DEBRIS

# Materials you will need

Appropriate Mark Eaton LLC pulpit kit for your pulpit neck size

1 package	Sheperd brand $\frac{1}{2}$ "x6" felt strips part # 9954 (Home Depot)
4 each	8" long x $\frac{3}{4}$ " x 1 $\frac{1}{2}$ " wood strips for stabilizing blocks
8 to 10 each	1 $\frac{1}{4}$ " wood or grabber screws (for attaching stabilizing blocks)
2 or 3 each	$\frac{3}{4}$ " x 12" x 12" plywood for base blocks
8 to 10 each	$\frac{3}{4}$ " self tapping wood screws
4 each	2 $\frac{1}{2}$ " to 3" x $\frac{1}{4}$ " lag screws
Misc	Electrical tape, and/or wire ties

# Tools you will need

Measuring tape  
Flashlight or worklight  
Cordless or corded drill  
1-1 ½ Forsner bit  
Small drill bits for drilling pilot holes  
Nut driver or bit to fit self tapping screws  
Hammer and wood chisel  
Phillips head screw driver  
Stubby phillips screw driver (ratcheting type is good)  
Small socket wrench to fit lag screws  
Allen wrench set  
Vacuum (for cleanup)  
Trash can or bucket  
2 stools or blocks to set pulpit on for protecting microphone  
Wiping towels (for cleanup)

**Old Pulpitman Lift. Before proceeding, remove the cabinet door and disconnect power from unit**

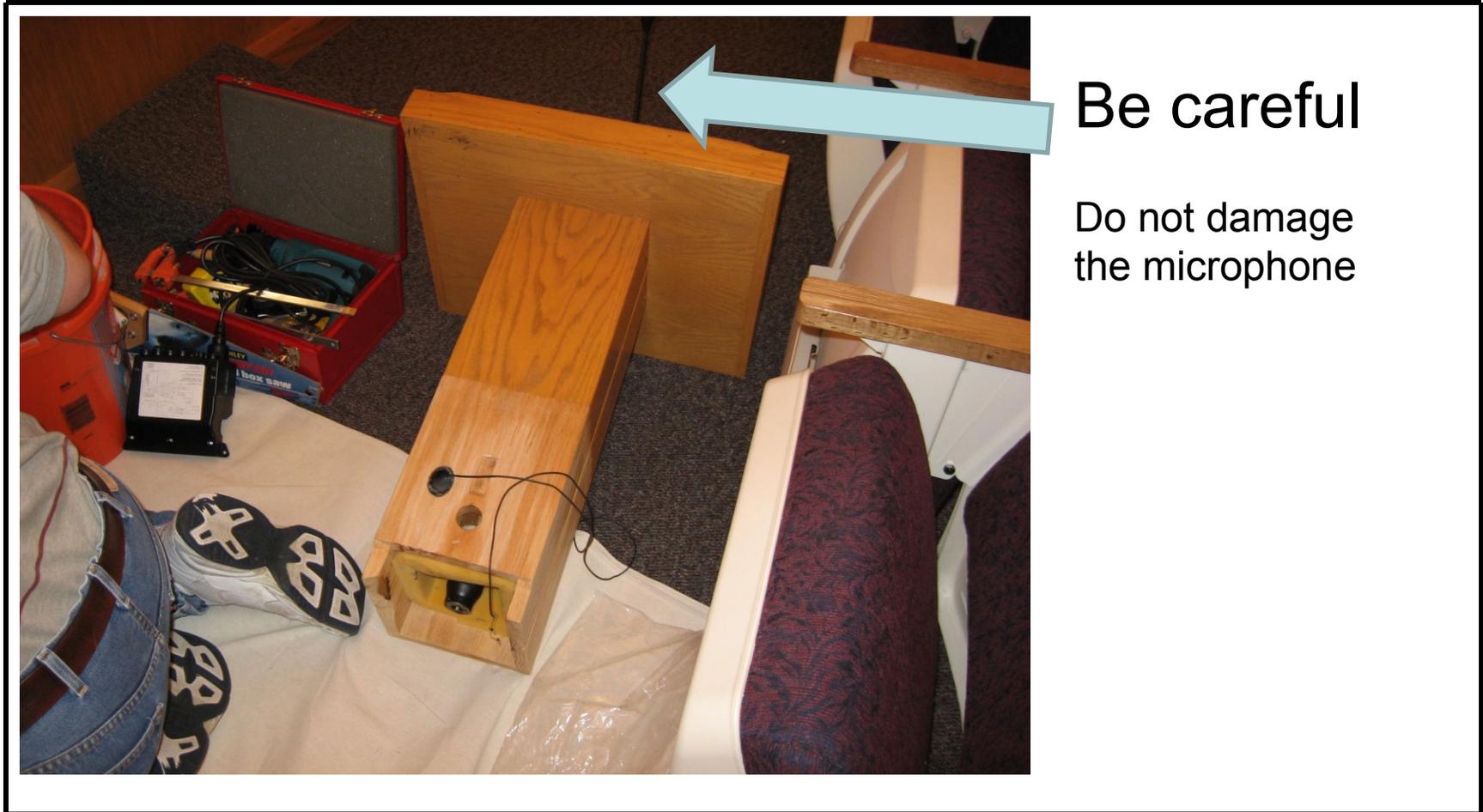


# Disconnect power connections and microphone cable





# Lift out the pulpit and neck assembly and place on the floor



Be careful

Do not damage  
the microphone

Remove any attachment brackets and lift out the old pulpit drive unit



You should now have an open area  
in which to install the new lift

Use the  
vacuum  
and wiping  
towels to  
clean up  
the cabinet  
interior



Place the pulpit upside down on the floor to facilitate removal of the shaft assembly. Note the use of 2 carpet covered blocks to raise the pulpit to avoid damage to the microphone



Remove any foam sound dampening material with a wood chisel



You can now see the intermediate shelf and shaft/drive block assy



Use a drill with a 1"-1 1/2" Forsner bit to drill out the corners of the intermediate shelf



Be careful to not damage the microphone conduit and cord that will be near one corner



Continue drilling out the shelf as shown  
The Forsner bit will allow you to overlap the holes making it  
easier to remove the material



Continue until you can remove the shaft assembly



Use a hammer and chisel to remove or trim flush the remainder of the shelf



Remove the microphone cord conduit and route the microphone cable to the closest corner.



Use a vacuum to clean up the inside of the neck and surrounding area



You should now have a clean open neck in which to install the new lift



Use some tape to attach the microphone cord into the corner of the neck.



More tape holding the microphone cord the in corner of the neck.



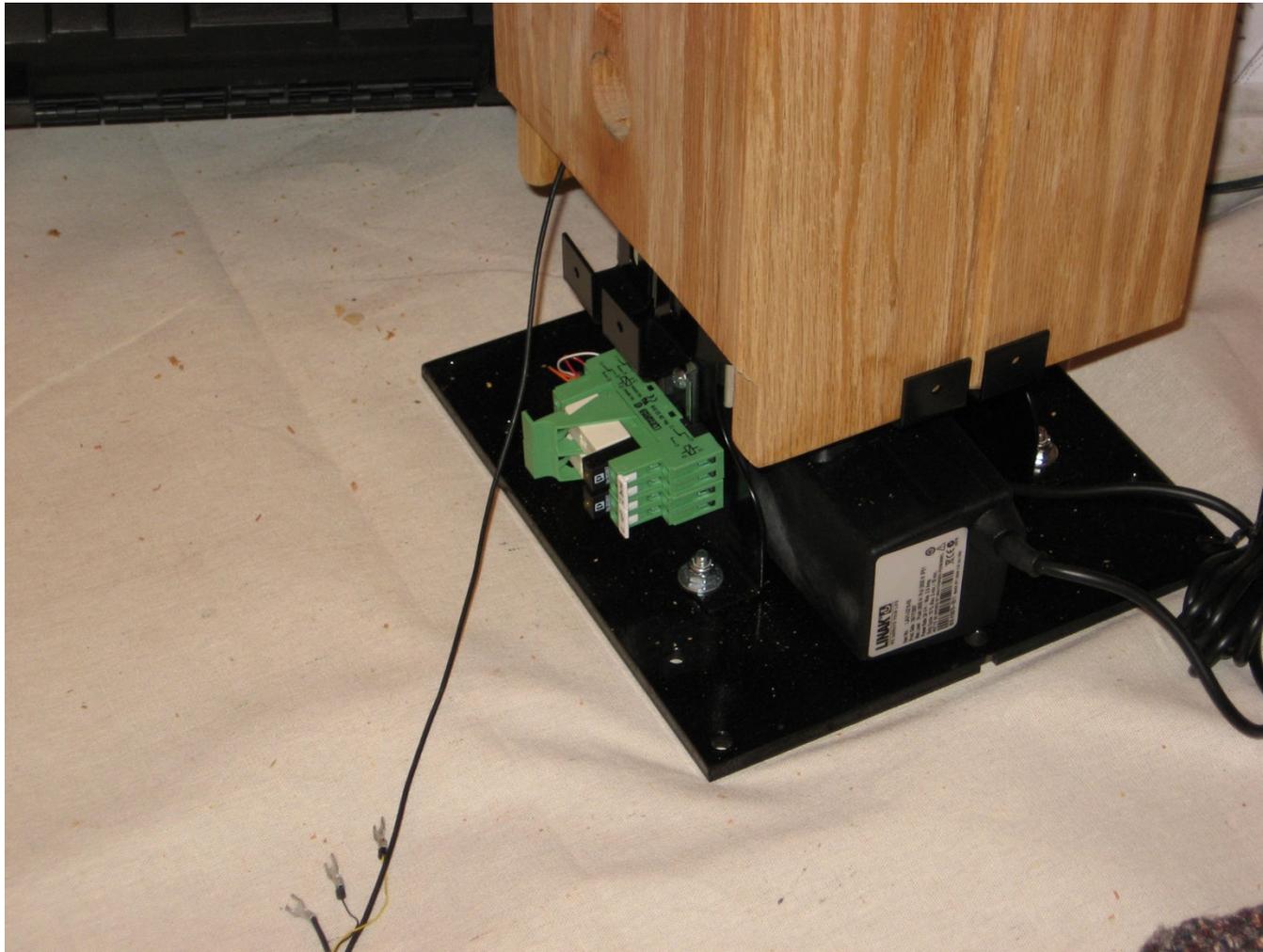
Place the new lift on the floor in preparation for fitting the neck



Slide the neck onto the new lift to make sure it will fit down and into the brackets



The pulpit neck should fit into the brackets as shown (Note that one side may not be long enough to attach into the brackets -- that's OK)



Drill pilot holes into the neck to allow attachment to the new lift.



Attach the neck to the new lift with  $\frac{3}{4}$ " self tapping screws.



Plug the power cord into the surge suppressor in preparation for operating the lift



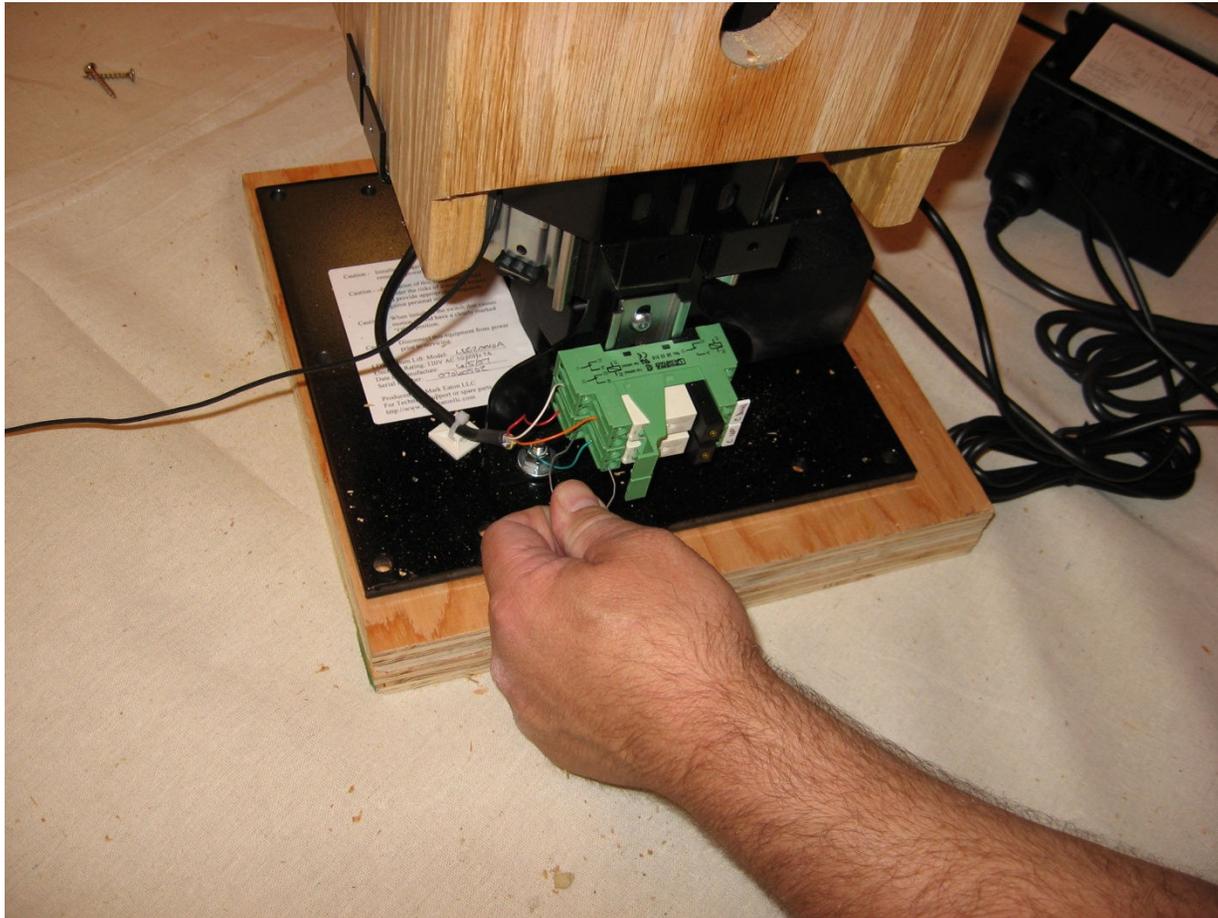
**Insert the lift cables into the appropriate connector on the control assembly.**  
(note that each connector is “keyed” to fit in only one socket)



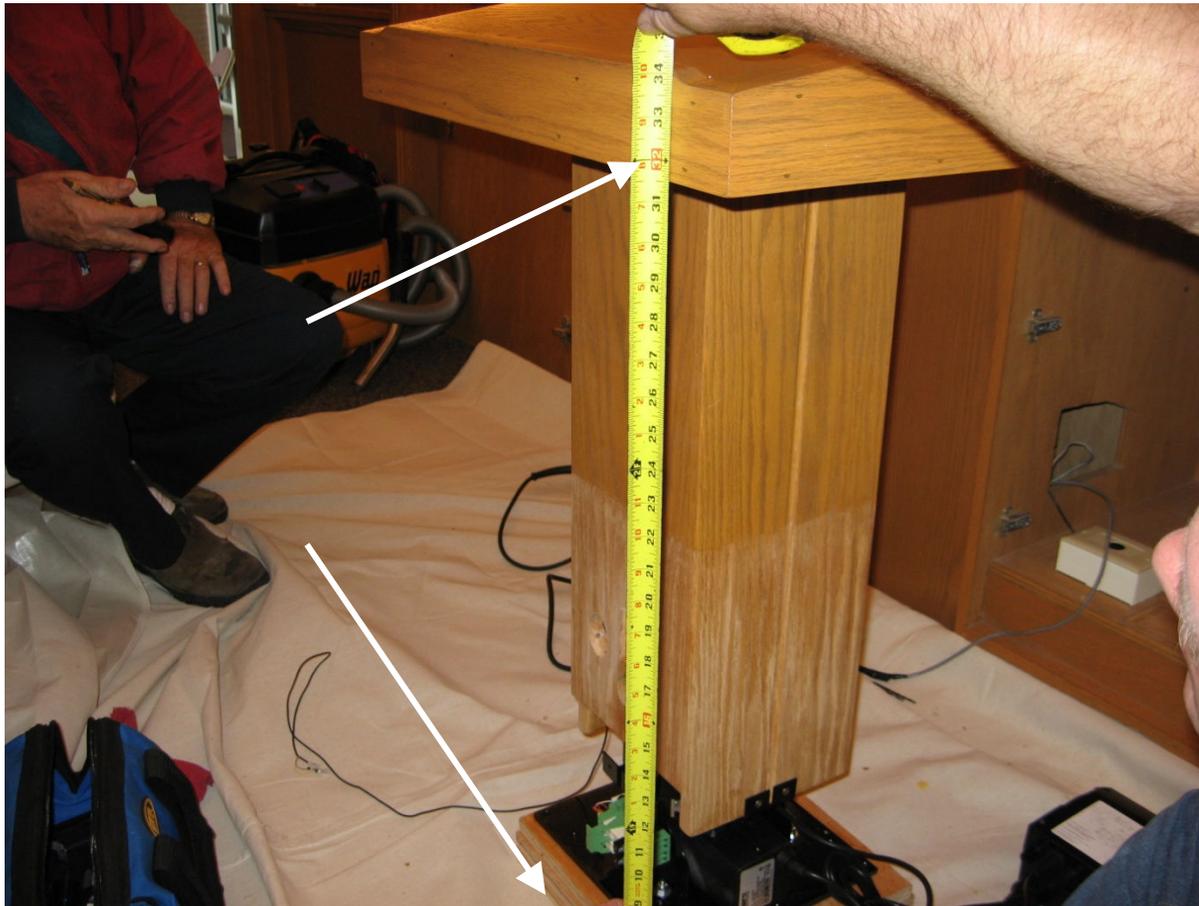
Measure the distance from the base to the top of the neck platform and write it down as measurement “A”. You will use this measurement to determine if you will need to add spacers under the new lift base



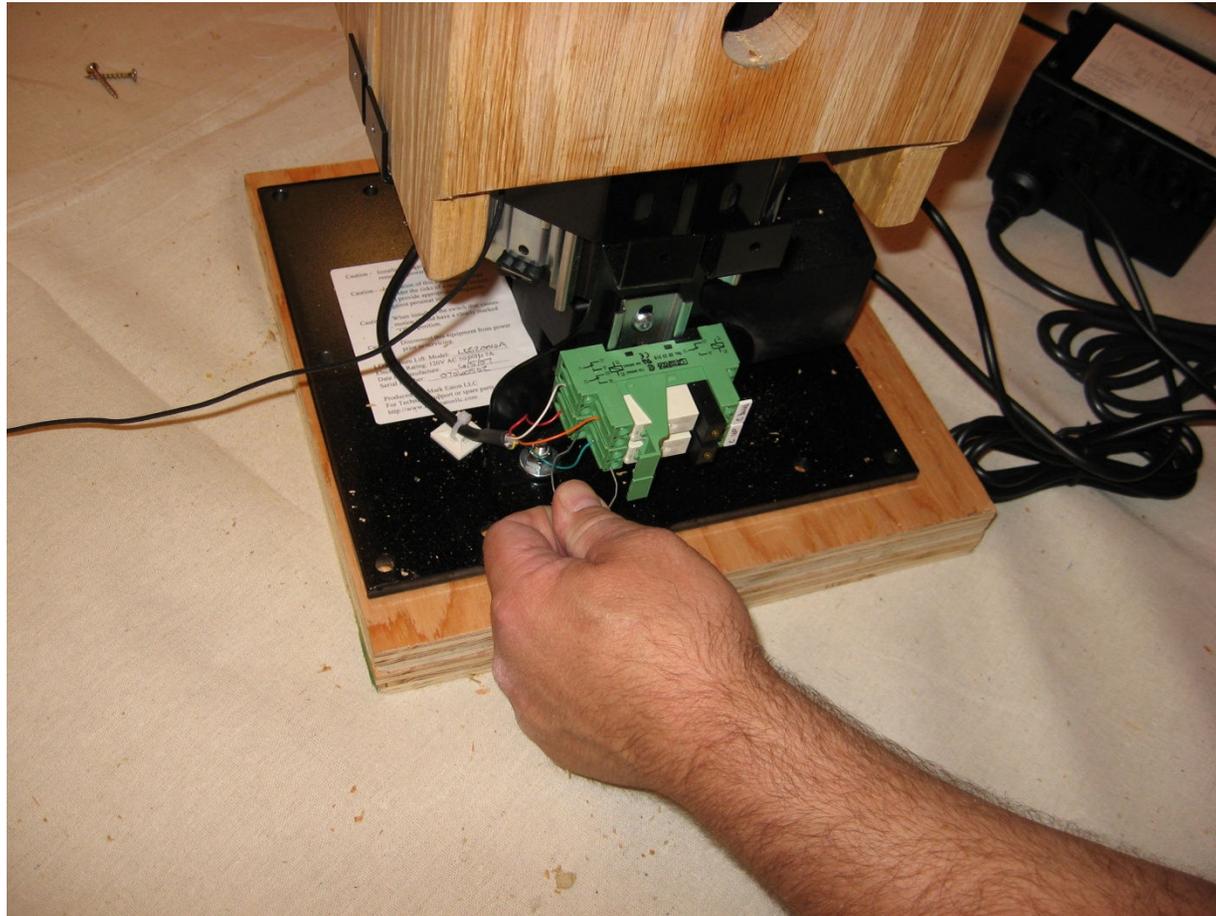
Plug the power cord/surge suppressor into the power source. Using a jumper wire, jumper terminals “C” & “DWN” to drive the lift to the lowest position



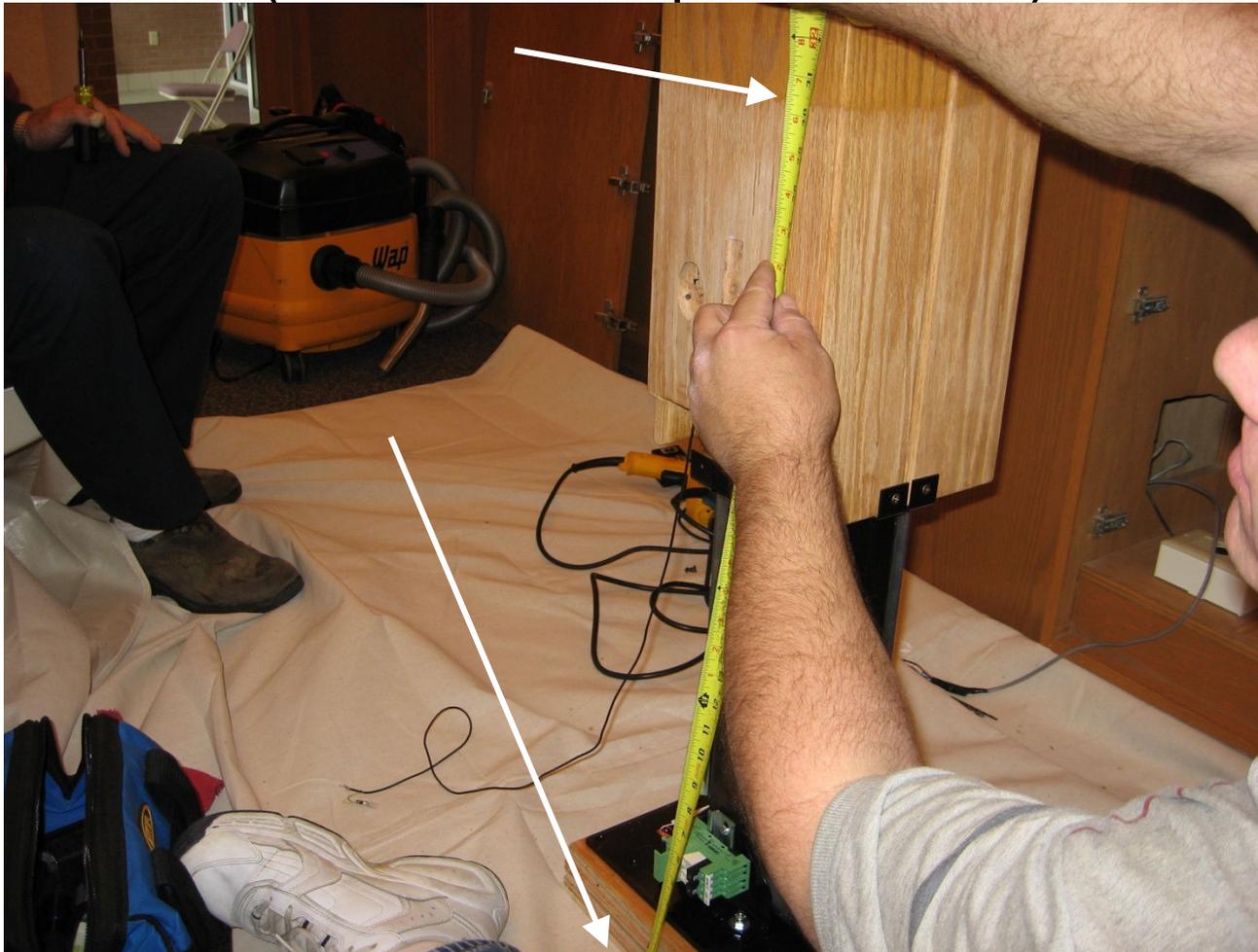
Measure the height from the floor to the bottom of the pulpit top and add blocks under the lift base until this measurement is greater than measurement “A”



Using a jumper wire, jumper terminals “C” & “UP” to drive the lift to the Highest position



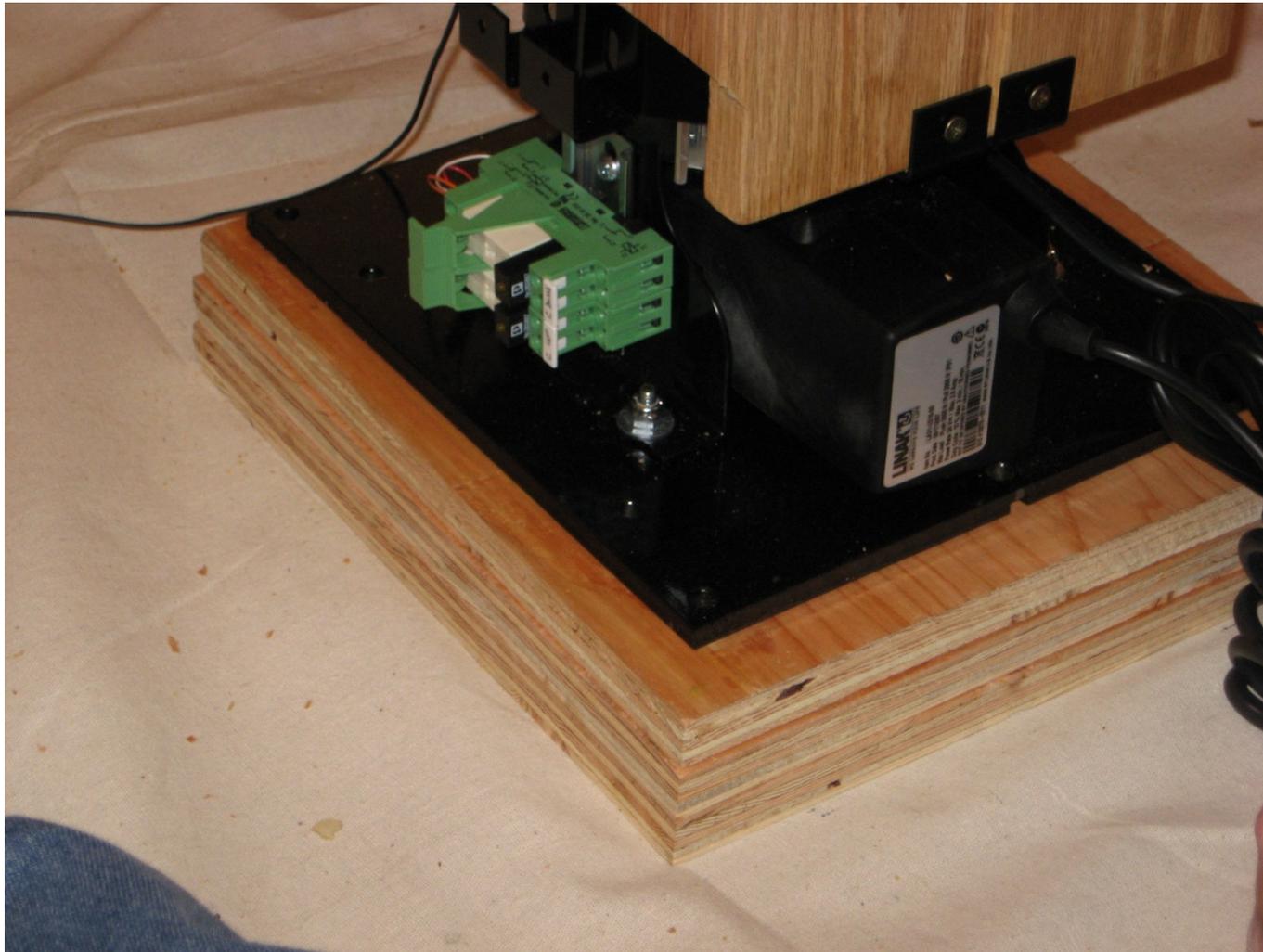
With the lift fully extended, measure the height from the floor to the stain line. If this measurement is greater than “A” then you will need to stain the neck to a level below the neck shelf or add a “down limit stop block”  
(This will be explained later.)



# EXAMPLE

- Measurement “A” taken in the cabinet from the base to the top of the neck shelf is 33”
- With the lift in the down position, the measurement from the floor to the bottom of the pulpit platform is 32”
- This means you will need to add at least 1 ½” under the lift to raise it enough to clear the neck shelf
- It is recommended that when the lift is completely down, you have at least 3” clearance between the neck shelf and the bottom of the pulpit platform to avoid personal injury (or crushing the box of Kleenex that is always there.)

Add plywood blocks under the lift base to raise it.



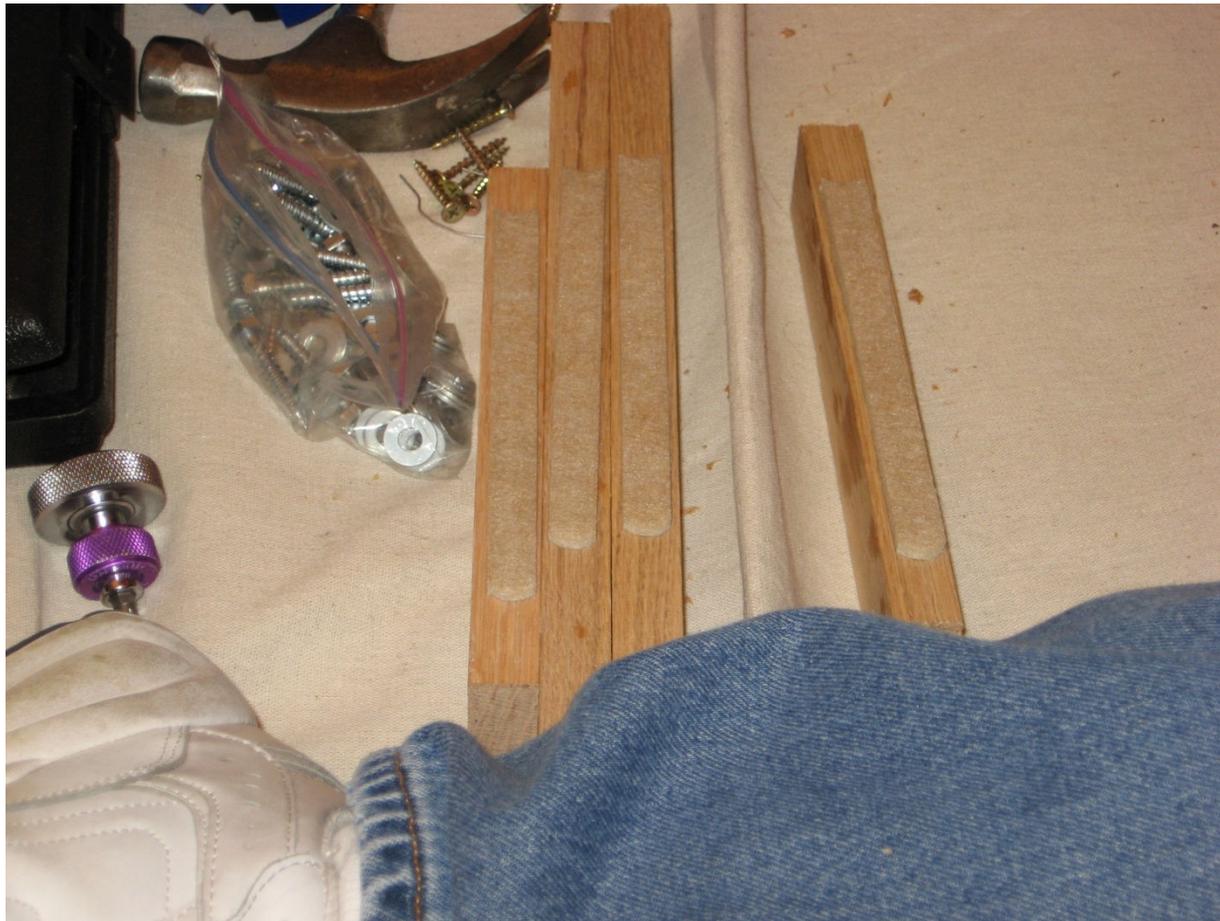
Once you have determined the number of blocks you will need, remove the neck from the lift and place the lift & blocks in the cabinet and center with opening. Do not attach the lift or blocks to the cabinet at this point.



You will need to prepare 4 blocks with a strip of felt on one edge to act as stabilizing blocks when the lift is fully extended. These will mount under the neck shelf.



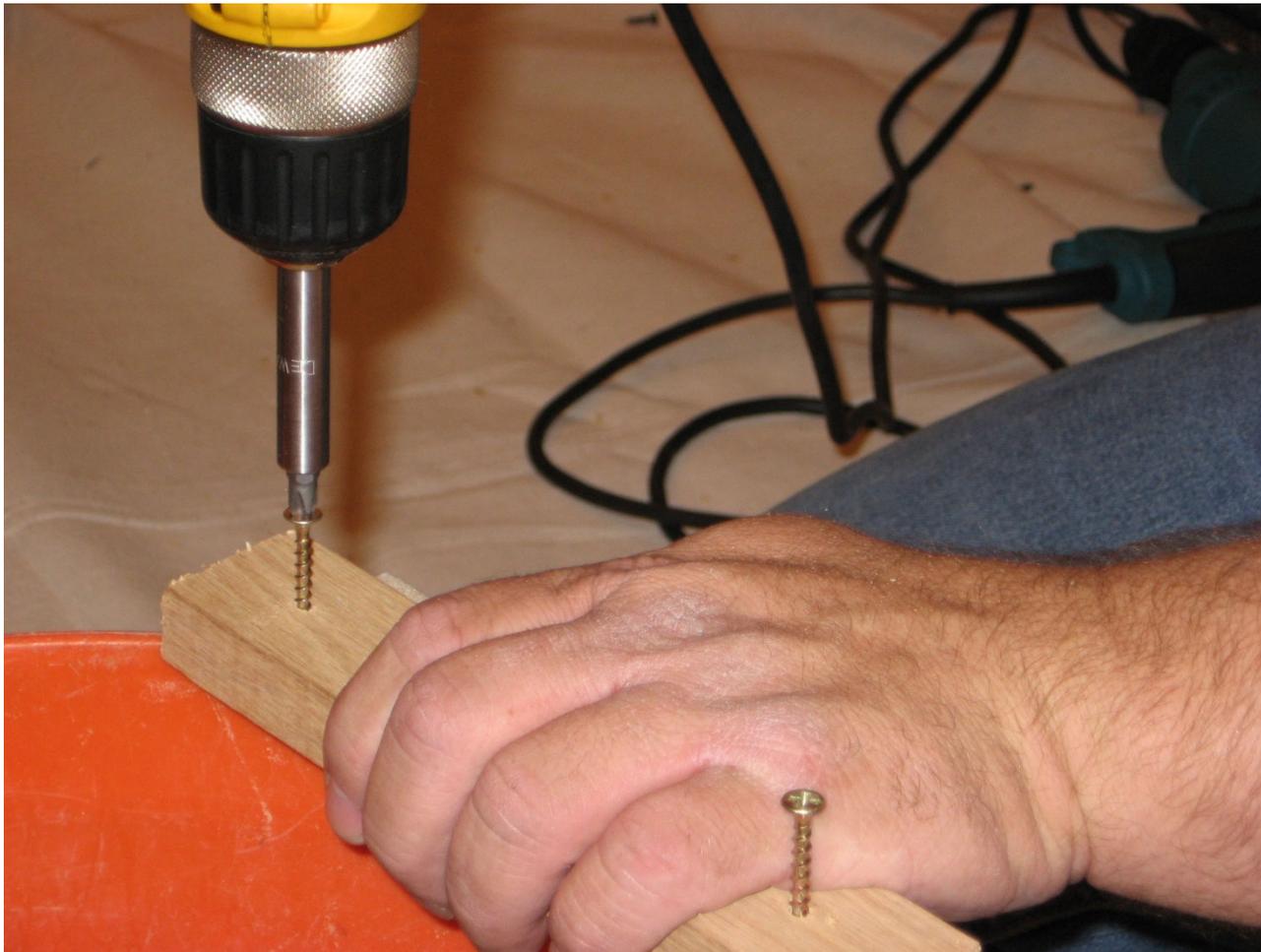
Felt strips should be centered on the edge as shown



Pre-drill 2 holes to facilitate installation



Start 2 grabber screws to facilitate installation later.



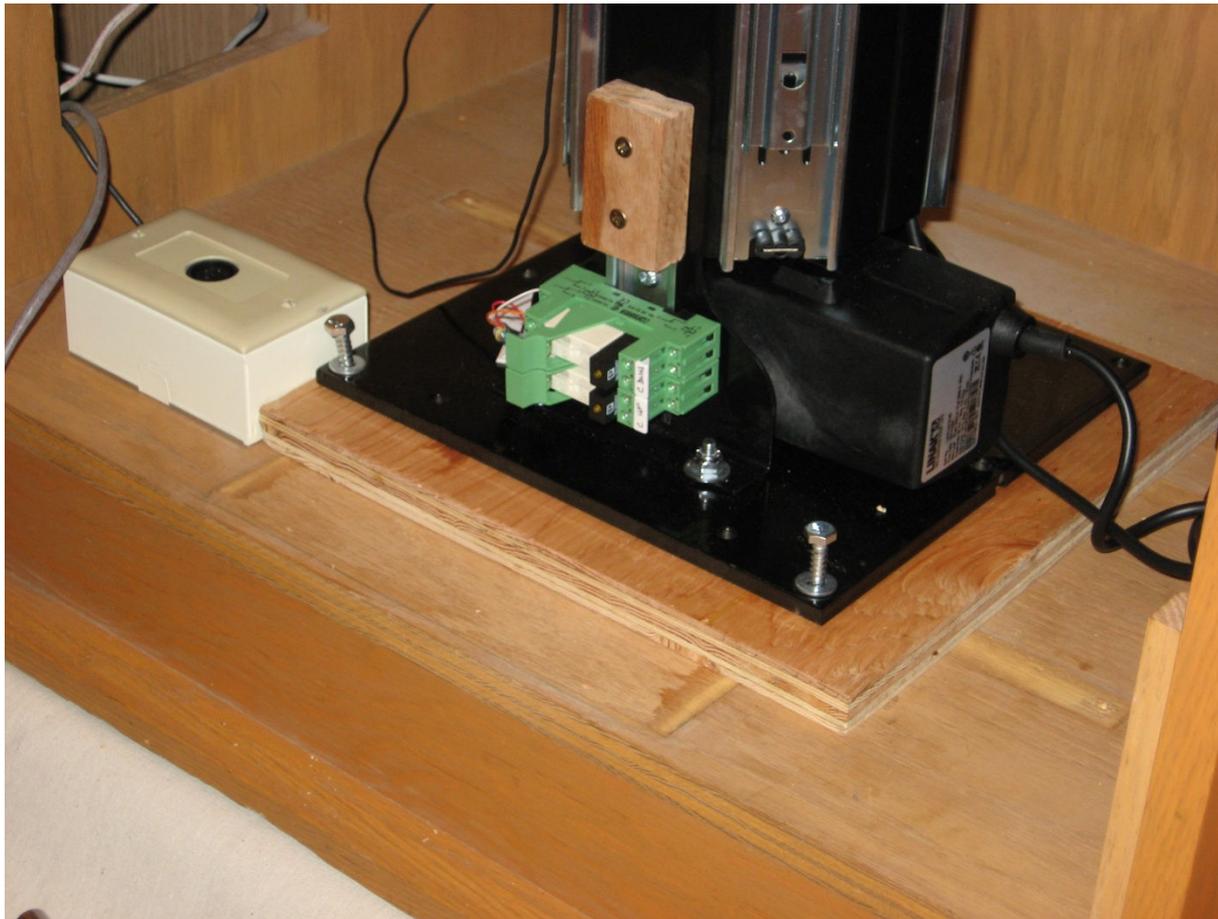
Slide the pulpit neck through the neck shelf and lower onto the new lift. Re-attach the neck to the lift brackets. Move the lift assembly to center the neck in the opening.



Install the blocks on each side of the neck. The block behind the pulpit may be difficult to get to so you may want to install the back one before lowering the neck through the opening



When you have the blocks installed, run the lift up and down to center the lift and to make sure it does not bind up



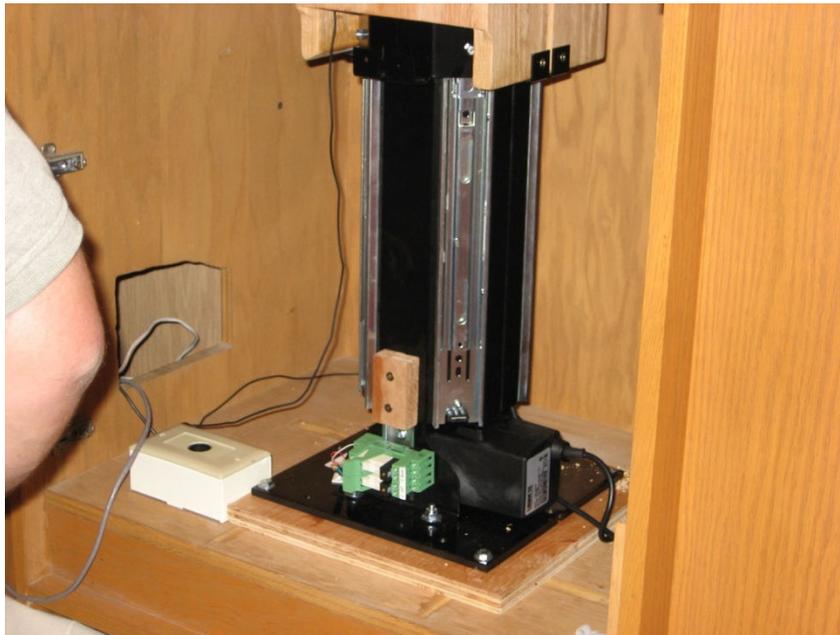
Pre-drill and install 4 lag screws to secure the base to the cabinet. The screws must be long enough to go through the lift base, block(s) and into the cabinet base



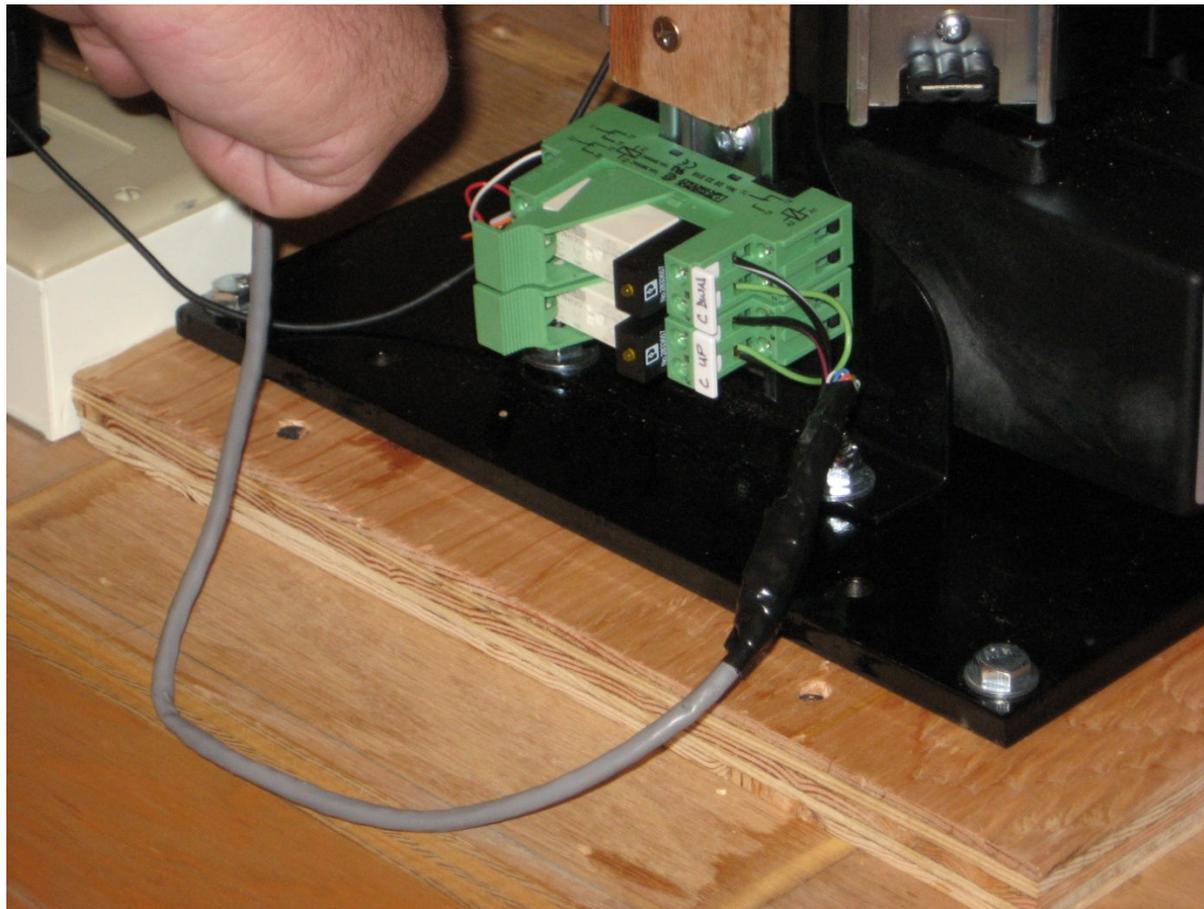
Locate and install the relay pack in the cabinet adjacent to the lift making sure the cables are properly secured.



Raise the lift to the highest position and route the microphone cable to a location by the microphone connector. Mount the microphone module allowing for cable connection. Typically this module will be placed half way between the lower and upper positions of the lift



Make wiring connections to the lift control following the wiring diagram



If necessary, you can use a wire tie as shown to clean up microphone wire length. Make sure the wire has enough slack to allow for operation of the lift without pulling the wire



As was mentioned earlier, rather than staining the neck, you can install a stop block to limit the down travel. Note the wood block installed on the front frame. Lower the lift to the lowest point desired, position the block under the lift bracket and drill two holes through the block and into the steel frame and attach with screws. **VACUUM UP ANY METAL FILINGS** so they do not cause problems with the relay assembly



Now, just check the operation of the lift, replace the cabinet door, cleanup and your done!

A new Mark Eaton LLC pulpit lift.  
Installed and ready to serve your members



For more information  
contact

**MTS**

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# Manufacturer Information

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