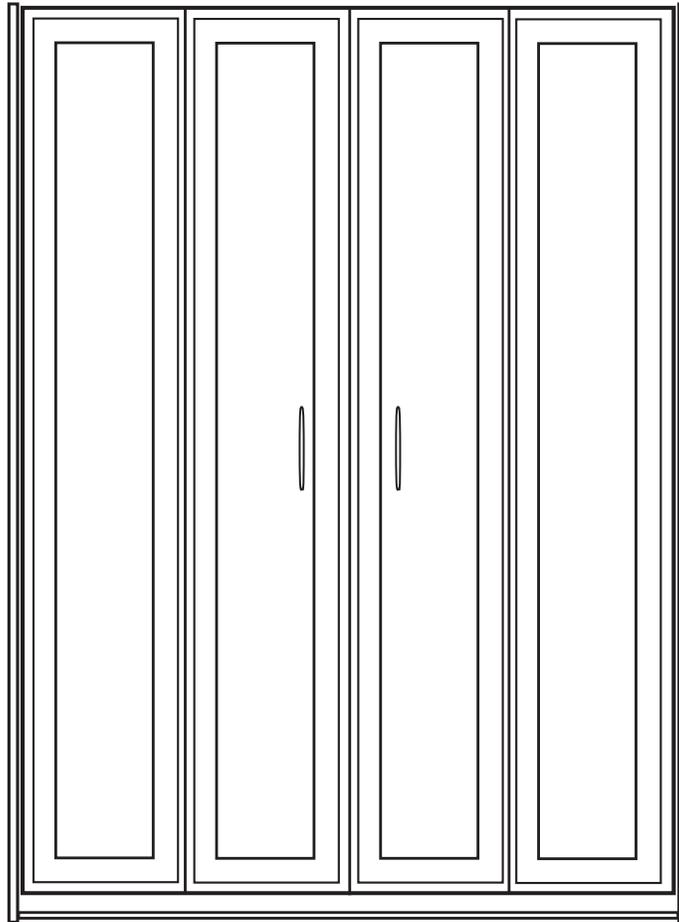




Wilding Wallbeds®



INSTALLATION INSTRUCTIONS

For Wallbed models:

Do-It-Yourself

BOOKLET #C90

WARNING! ALL MURPY/WALLBED SYSTEMS CONTAIN STORED ENERGY. FAILURE TO USE AND FOLLOW THESE INSTRUCTIONS DURING THE INSTALLATION PROCESS COULD RESULT IN SEVERE PERSONAL INJURY TO USER OR DAMAGE TO PRODUCT. PLEASE CONTACT CUSTOMER SERVICE AT 866-725-6401 FOR ANY QUESTIONS.

Revision 7/13 BKC90

ATTENTION

Step 1: Complete first 3 pages to apply
edge taping

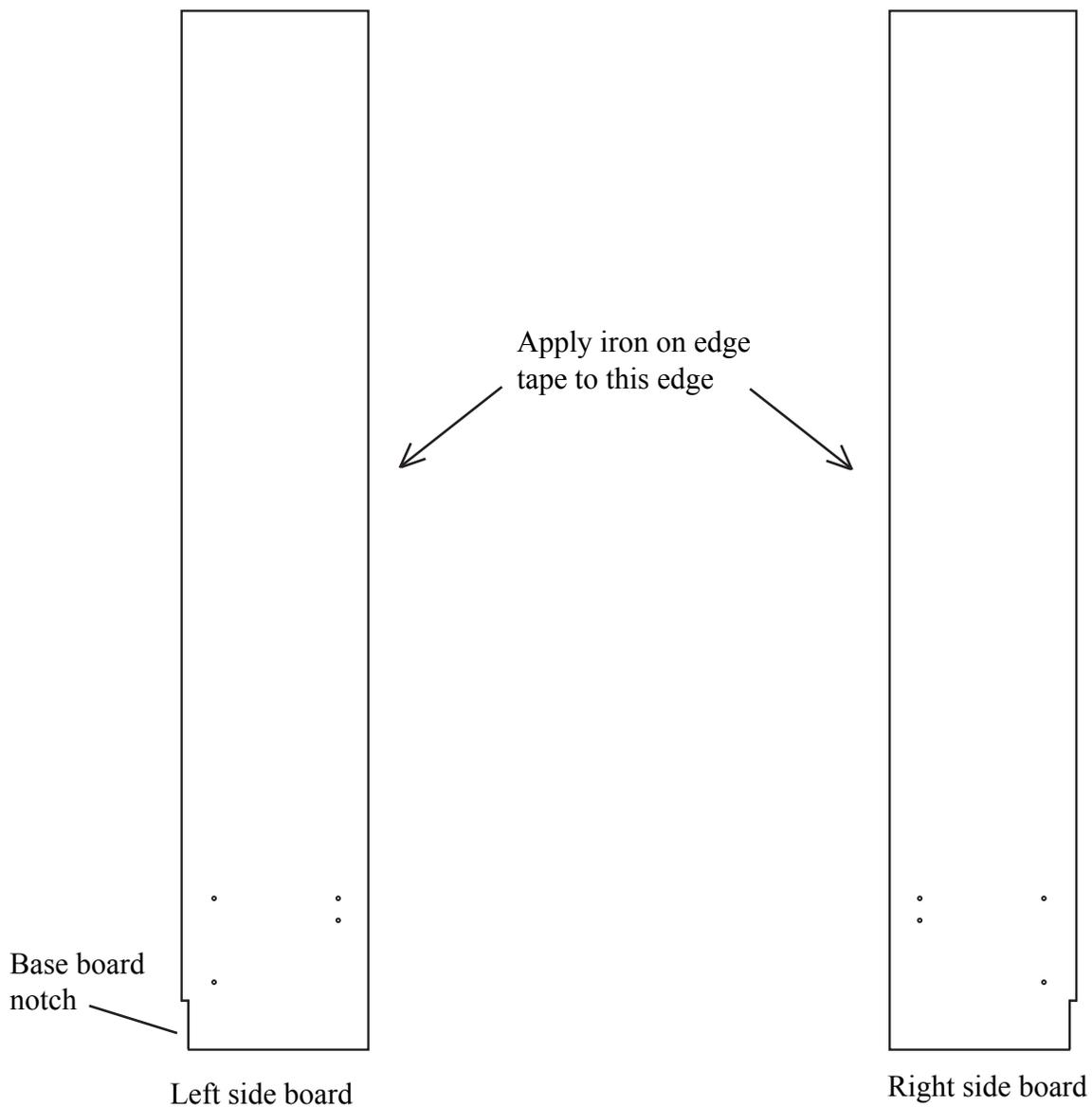
INFORMATION ON EDGE TAPE APPLICATION

Measure length to be edge taped and cut the tape 2" longer than dimension.

With a hot iron apply tape slowly making sure the tape fully adheres to the bed part. Leave edge tape one inch long on both ends.

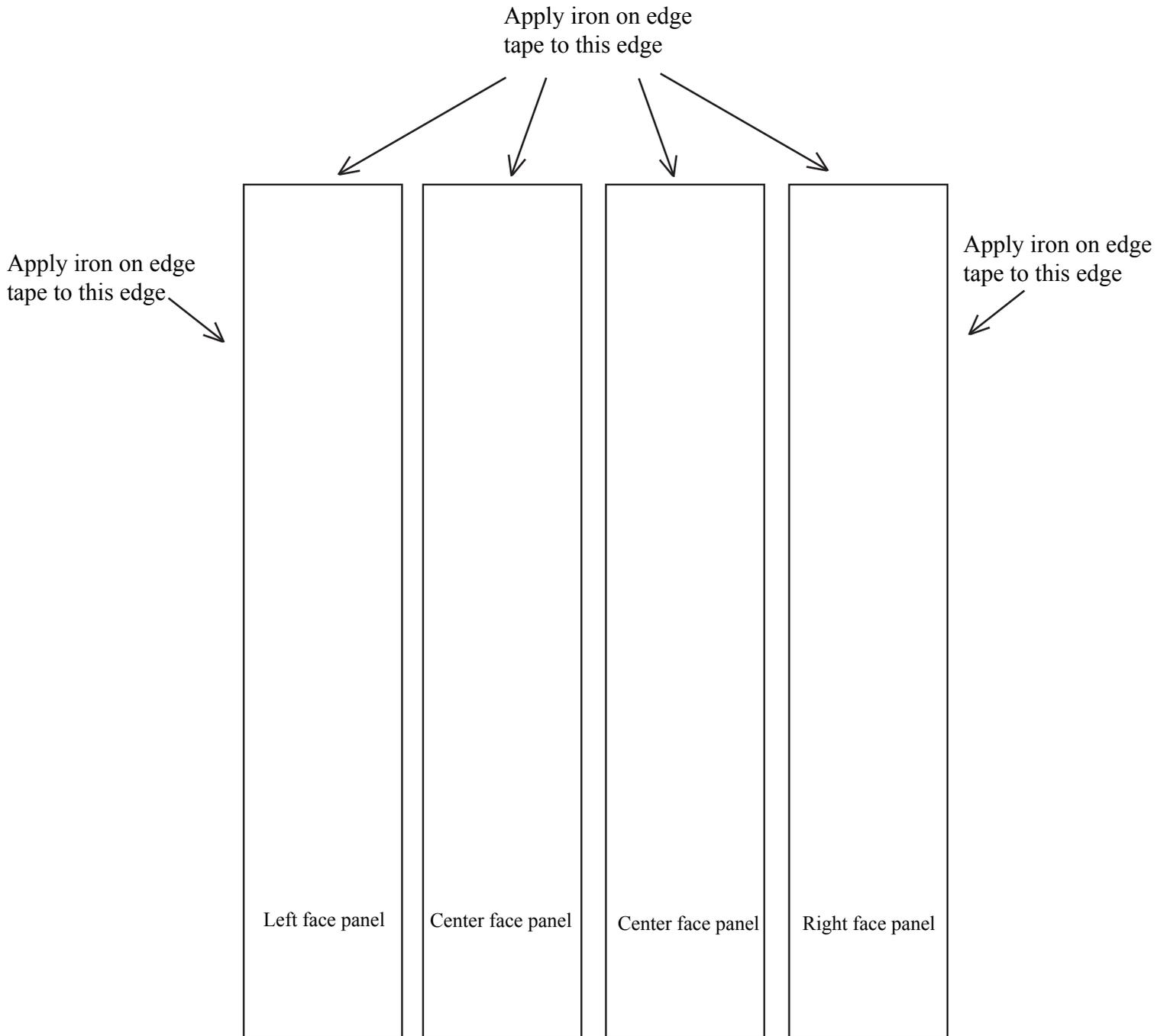
Once edge tape is securely glued to the bed part use an edge tape trimmer to trim edge tape flush on both sides. Use a razor knife to trim edge tape flush at ends.

Slightly break the edge of edge tape corners by lightly sanding.



Finishing note: Side boards will be visible on both sides and the edge taped sides once the bed is installed.

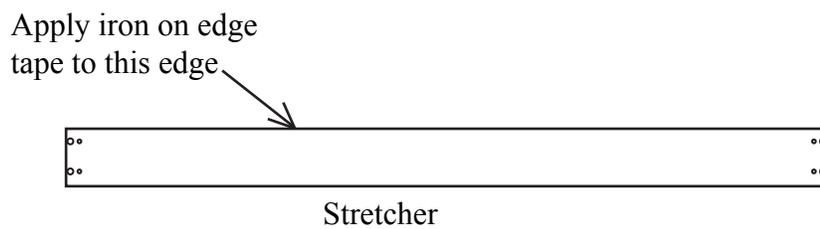
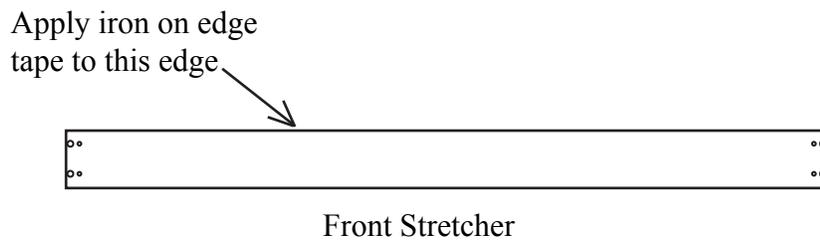
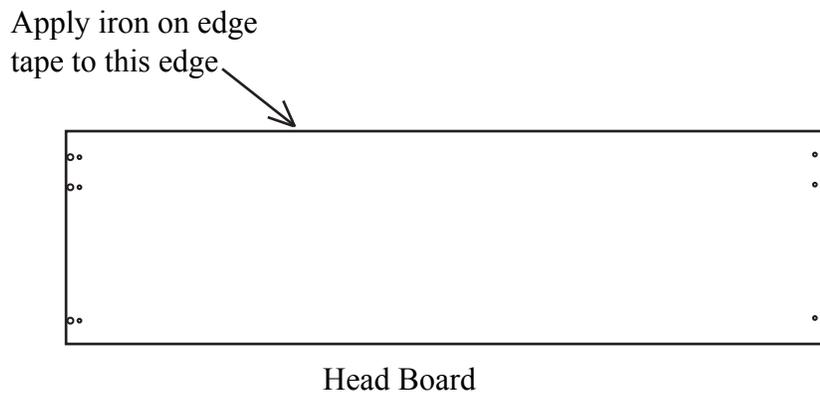
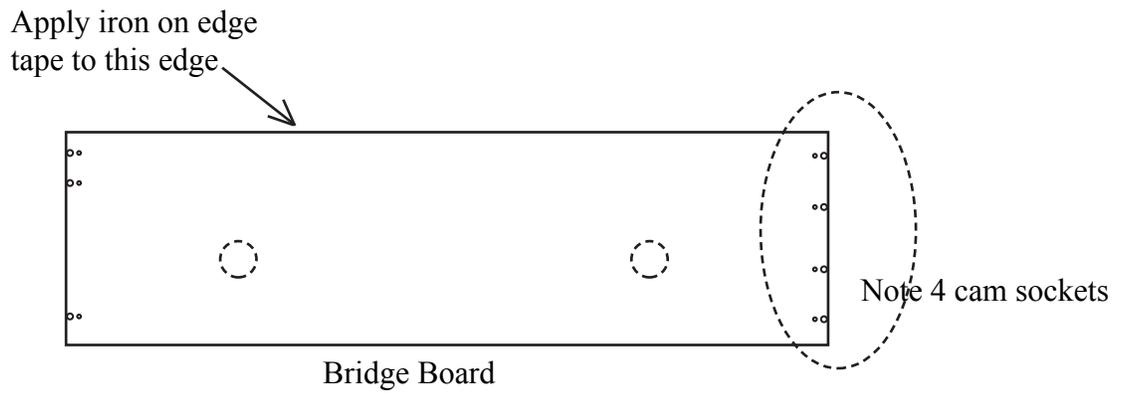
The four (queen and full sizes) face panels constitute the front of your wall bed when the bed is closed. Lay the panels out and decide how you want the grain and panels to look once the bed is installed. Edge tape the four top edges and two outside edges as illustrated below. If you want to add trim pieces to decorate the front of your bed you can do that at this point as well.



Finishing note: Bed face panels will be visible primarily* on one side and on all edge tape edges.

* The front panels will be what you see when the bed is closed. When the bed is open you will see about 1" around the perimeter of the back side of the face panels.

Caution: Study carefully the illustrations before applying edge tape. Note that all illustrations reveal cam fitting sockets. Additionally note that the Bridge board has 4 cam sockets on one side.



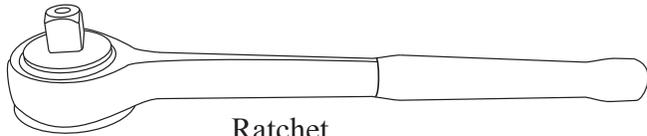
Finish with stain or paint as desired. The sides that will be visible once the wall bed is installed are the edges with edge tape and the side WITHOUT cam sockets

Refer to installation instructions for assembly and installation

ATTENTION

Step 2: Complete the remaining 12 pages
for installation

Tools Needed



Ratchet



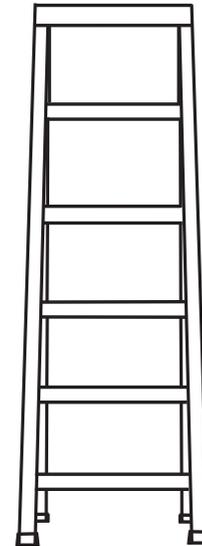
1/2" Socket



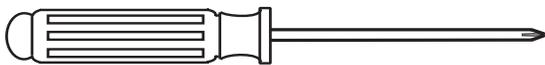
7/16" Socket



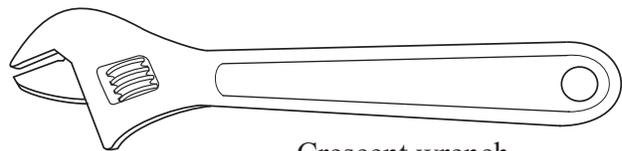
5/16" Socket



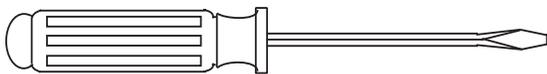
6 foot ladder



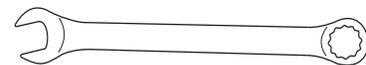
Phillips screwdriver



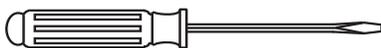
Crescent wrench



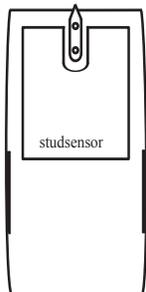
Large regular screwdriver



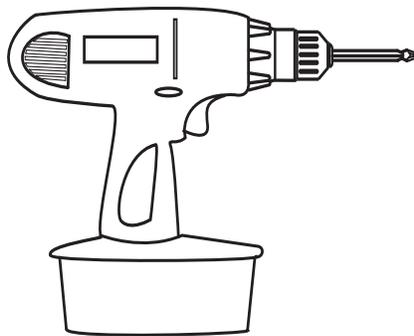
1/2" open end wrench



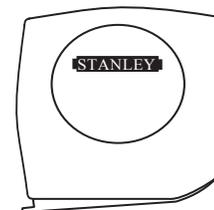
Small regular screwdriver



Stud finder



Cordless screw driver
with Phillips bit



Tape measure

Hardware Page

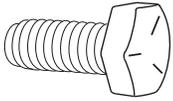
Pack 2

Item Qty



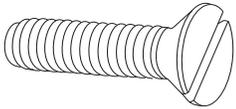
16

5/16" Nylock
Hexagon Nut



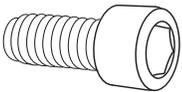
4

5/16" x 7/8"
Hex Head Bolt



10

5/16" x 1 1/4"
Flat Head Bolt



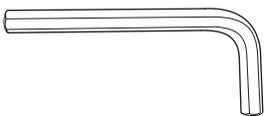
2

5/16" Allen
Head Bolt



2

1 5/8" Panhead
Wood Screw



1/4" Allen wrench

Pack 3

Item Qty



16

3/16" Nylock
Hexagon Nut



2

3/16" x 1 1/4" Black
Flathead Screw



14

3/16" x 1/2" Black
Truss head screw



2

Leg Stop



4

4 hole corner
bracket

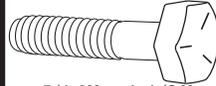
Pack 4

Item Qty



2

1/4" Star Washer



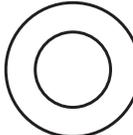
2

5/16" x 1 1/2"
Hex Head Bolt



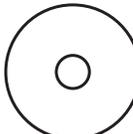
4

1 7/16" (3/4" i.d.)
1/16" Thin Teflon
washer



2

1 1/2" (3/4" i.d.)
1/8" Thick washer

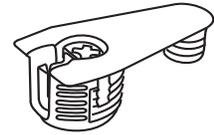


2

1 1/2" (3/8" i.d.)
1/8" Thick washer

Other Hardware

Item Qty



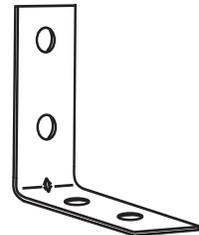
24

Cam Fitting



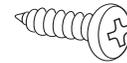
24

Connecting Bolts



3

"L" Bracket



6

5/8" Pan
head Screw

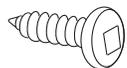


6

2" Flathead
Wood Screw

Pack 7

Item Qty

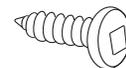


160

5/8" Pan
head Screw

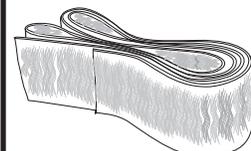
Pack 5

Item Qty



2

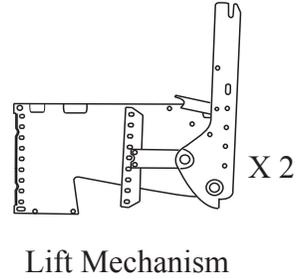
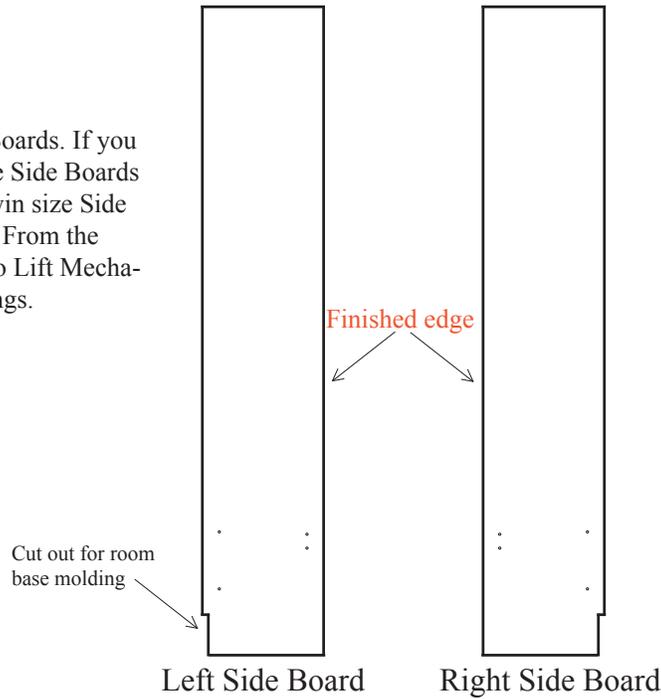
5/8" Pan
head Screw



2

Velcro Retainer
Straps

Step 1: Locate the two Side Boards. If you purchased a Queen size bed the Side Boards measure 85" long. Full and Twin size Side boards will measure 80" long. From the square white box locate the two Lift Mechanisms, hardware bags and springs.



Step 2-A: Install Springs in the Lift Mechanisms

- The number of springs in the Lift Mechanism required varies with the different weights of mattresses. If you purchased your mattress with your bed from Wilding Wallbeds refer to the chart to the right. This will also be a good reference point for mattresses not purchased with your Wall bed.

Bed Size	Number of Springs
Queen	8
Full/Double	6
Twin/Single	4

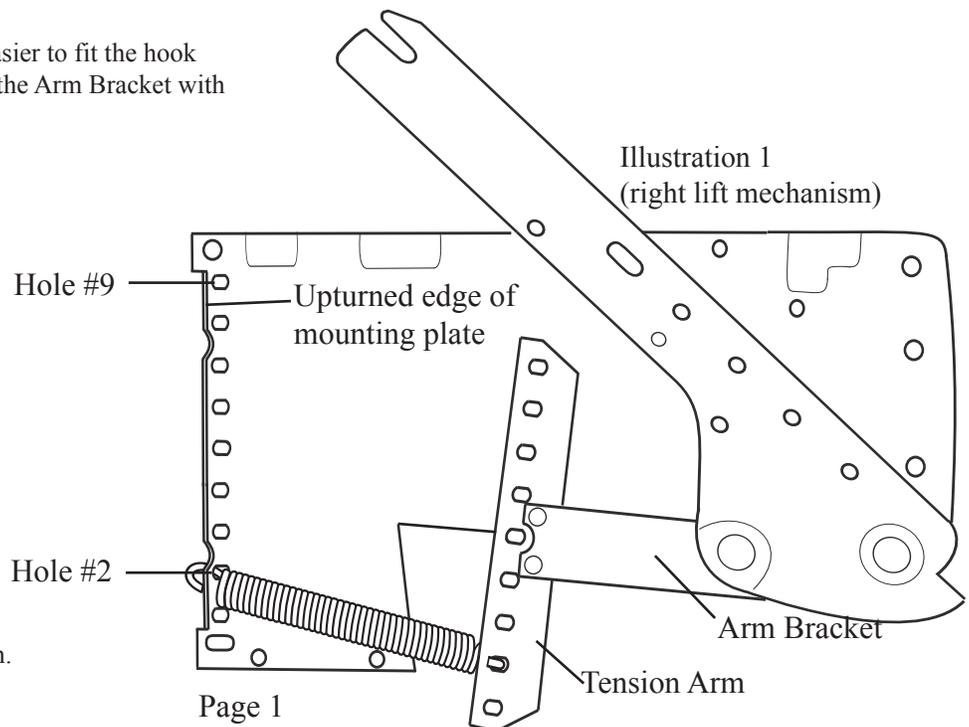
NOTE: After you have completed installing and checking operation of your Wallbed, you may find it necessary to add or remove springs to achieve the correct lift effort of between 5 and 10 pounds.

- Install the first spring in hole #2 for Queen and Full size beds and hole #3 for twin size on both the Mounting Plate and the Tension Arm. Hook one end of the spring under the upturned edge of the Mounting Plate. Lay the spring down and slide it under the matching hole in the Tension Arm. See illustration 1.

HELPFUL HINT: You may find it easier to fit the hook under the Tension Arm if you pry up the Arm Bracket with a wooden wedge or similar device.

- Continue by working up from, hole 2 (Queen and Full size beds) or hole 3, (for twin size), until you have installed the required number of springs.

IMPORTANT! Be sure that holes of the Mounting Plate correspond to the holes in the Tension Arm and use the same number of springs and the same configuration on both Lift Mechanisms



Repeat Step 2-A for Left Lift Mechanism.

Hardware needed for next step from Pack #2



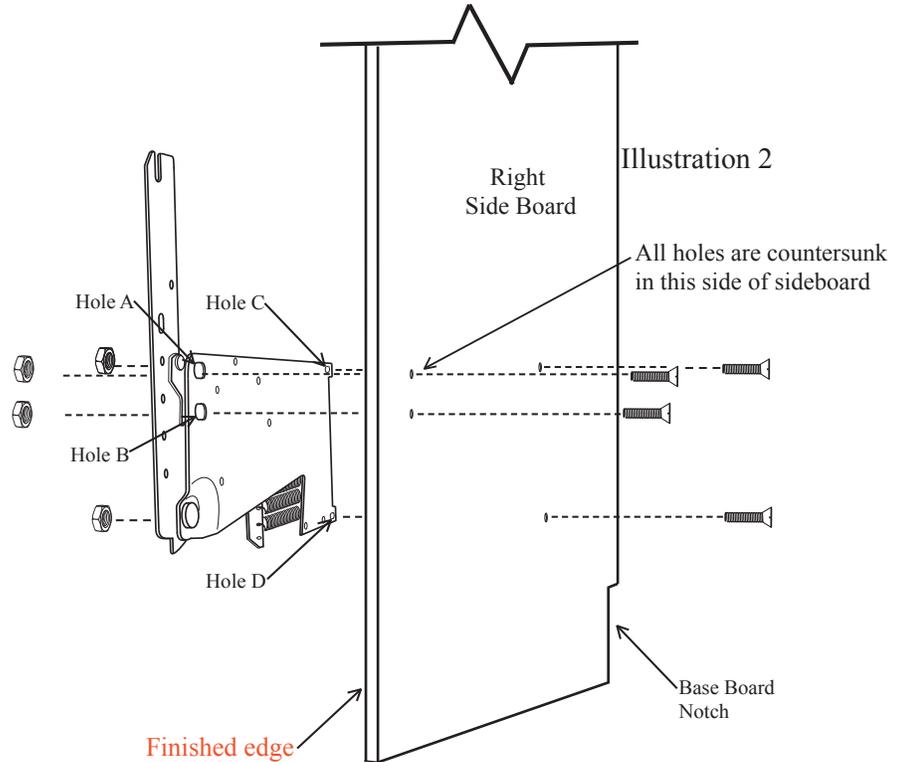
5/16" Nylock Nut



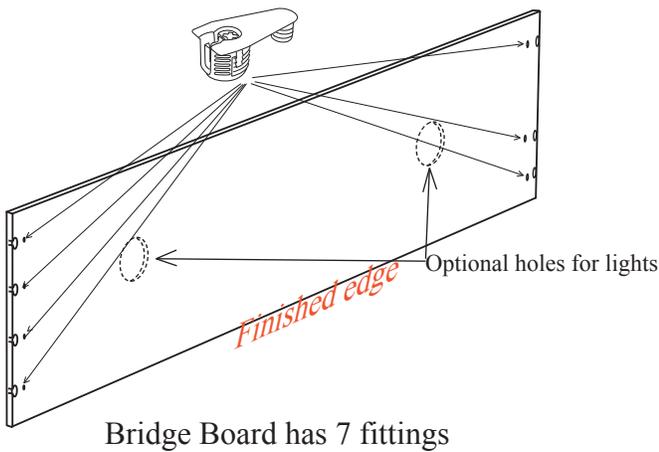
5/16" x 1 1/4" Flathead Slot Machine Screw

Step 2-B: Install the Lift Mechanism by inserting a 5/16" x 1 1/4" Flathead Machine Screw through holes A, B, C and D from the outside (countersunk holes) of the Right Side Board. Position the corresponding Right Lift Mechanism holes. Thread on 4 5/16" Nylock nuts to hold lift mechanism in place. See illustration 2.

IMPORTANT! Over tightening the nuts will pull the head of the machine screw too deeply into the Side Board. Tighten only until the head of the screw is flush with the Side Board.



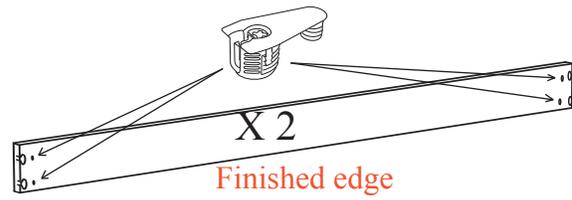
Repeat step 2-B with the Left Side Board and Lifting Mechanism.



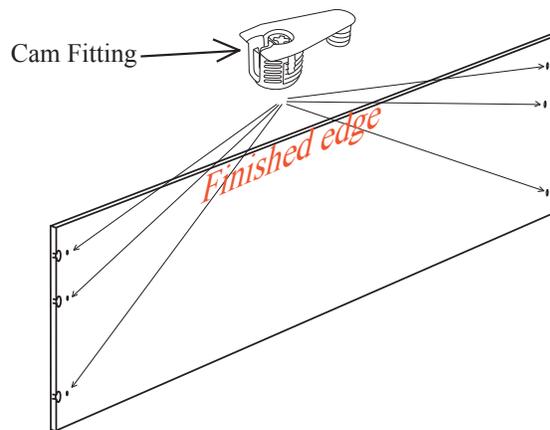
Step 3: Locate the Bridge Board and Insert seven Cam Fittings into the sockets provided. Press the Cam Fittings in so they are tight against the bed part. You may need a rubber mallet to get them properly set.

Helpful hint: The Bridge Board and the Head Board are the same dimensions and could be easily confused. Note the Bridge Board has 7 cam fitting sockets whereas the Head Board has either six or nine.

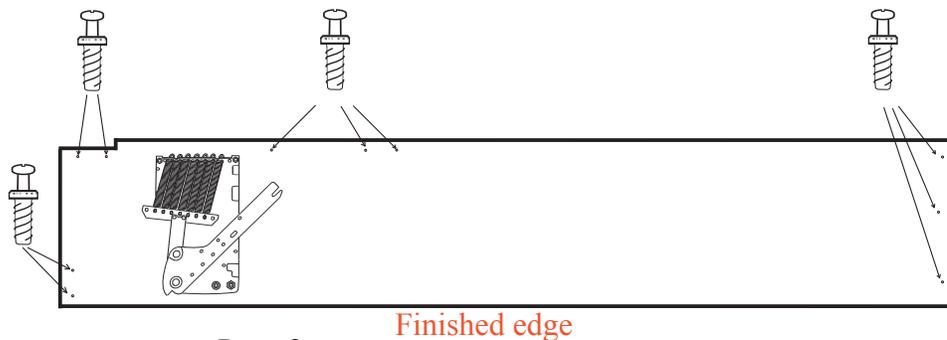
Step 4: Locate the TWO (2) Stretcher Boards and insert four Cam Fittings into the back of each Stretcher. Press the Cam Fittings in so they are tight against the part.



Step 5: Insert 6 Cam Fittings in the back of the Head Board



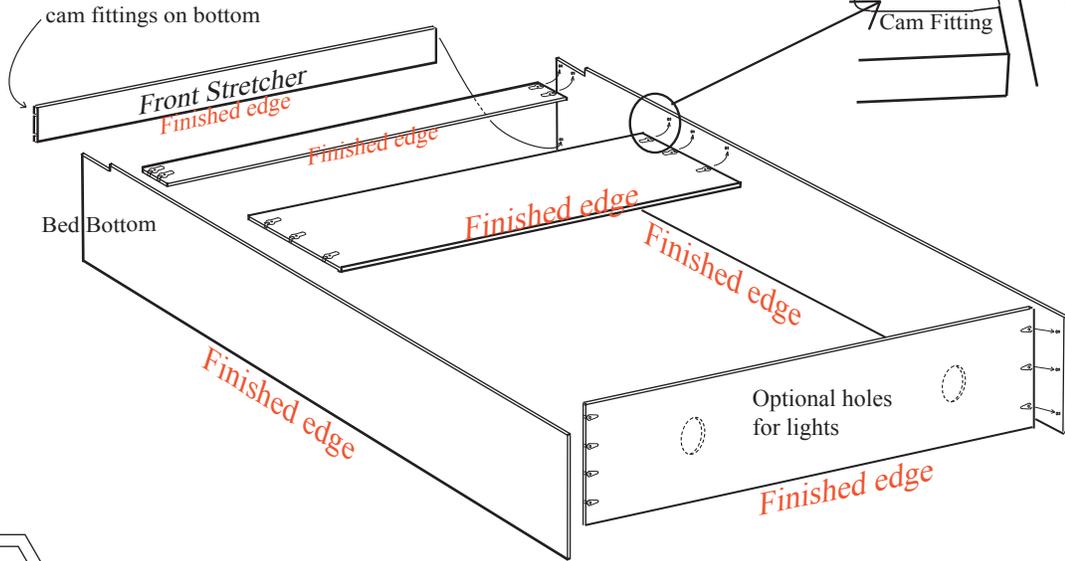
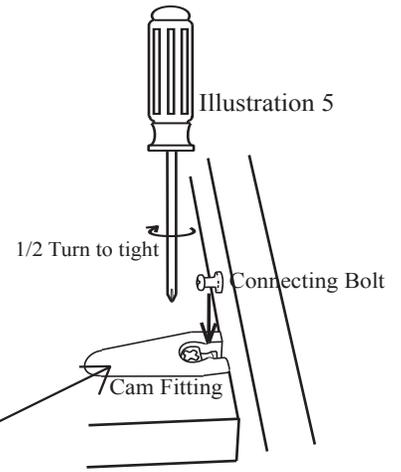
Step 6: Lay the right Side Board down as illustrated below and screw 10 Connecting Bolts into the holes provided as shown. Repeat the process with the left Side Board which will require 11 Connecting Bolts.



Step 7: Assemble the Bed Cabinet face down with the bottom of the bed nearer the wall to which it will be installed. Note the “Front Stretcher” (illustrated below) should be positioned so the Cam Fittings are at the bottom of the bed.

IMPORTANT! Tighten the cam fittings with a hand screw driver by turning the Phillips head clockwise 1/2 turn to tight.

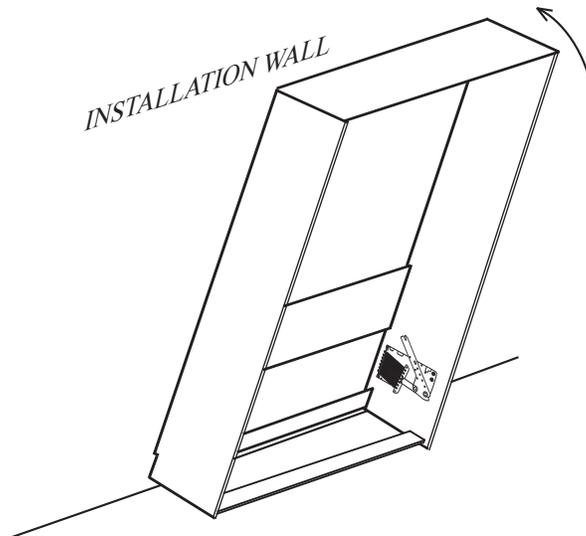
HELPFUL HINT: It is easier to tighten the Cam Fittings if the two bed parts are snug together.



IF YOU PURCHASED LIGHTS FOR YOUR WALLBED YOU MUST REFER TO THE LIGHT KIT INSTRUCTIONS AND INSTALL THE LIGHT KIT BEFORE MOVING ON.

(Light Kit instructions are in the Light Kit box)

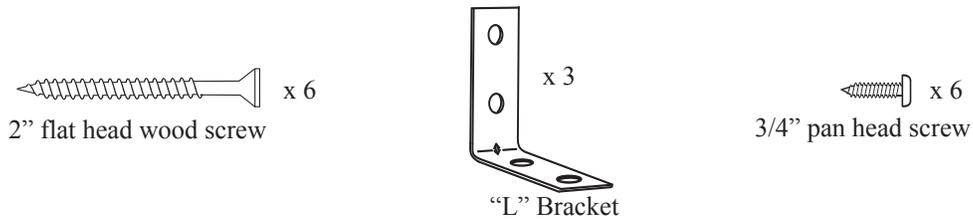
Step 8: Stand the bed cabinet up against the wall where you intend to have it installed.



WARNING! THE NEXT STEP MAY REQUIRE PROFESSIONAL HELP.

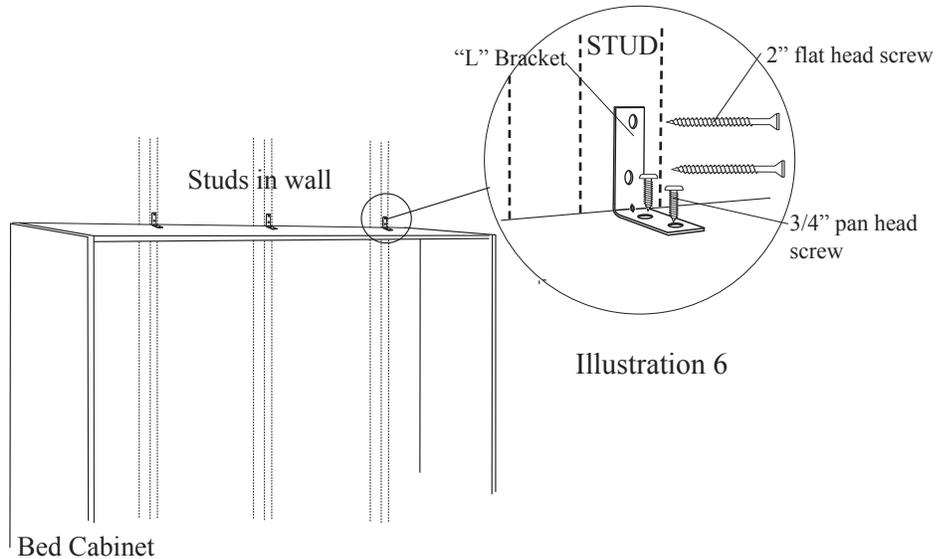
IF YOUR WALLS ARE NOT TRADITIONAL WOOD FRAMING, YOU MAY NEED TO HIRE A HANDY MAN OR CONTRACTOR TO HELP IN ANCHORING THE BED TO YOUR WALL. FAILURE TO PROPERLY ANCHOR CABINET COULD CAUSE SEVERE PERSONAL INJURY. CALL TECHNICAL SUPPORT AT 866-725-6401 IF YOU HAVE ANY QUESTIONS.

Hardware needed for next step from Bag #8

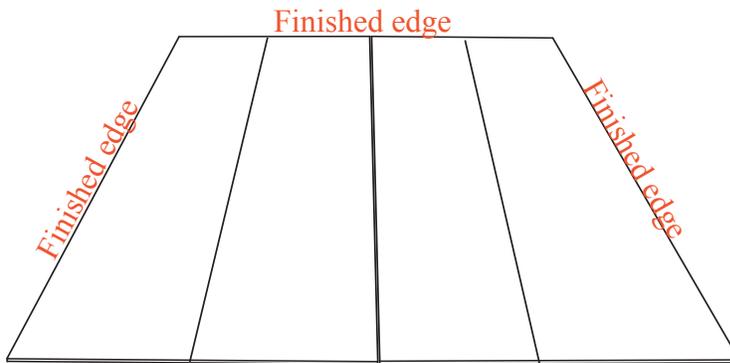


Step 9: Using a Stud Finder locate and mark the studs in the wall behind the bed. Attach the "L" brackets to the top of the Bed Cabinet corresponding to where the studs are located. Now attach the "L" brackets to the studs in the wall. See illustration 6

IMPORTANT! Queen and Full size beds require 3 studs, Twin size beds require 2 studs. It is VERY important that the bed be anchored securely to the wall. For technical support call 866-877-7803 toll free.

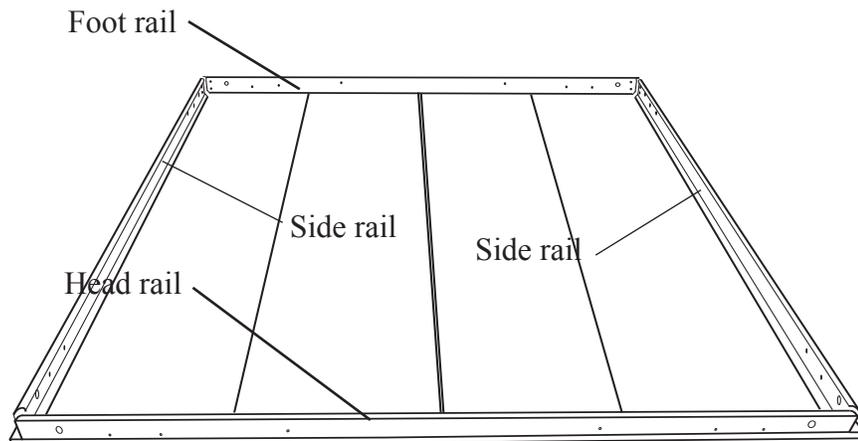


Step 10: Locate the Front Panel(s) and lay them on the floor face down (finished side). Position them in front of where the Bed Cabinet was installed and leave enough room to work around them.

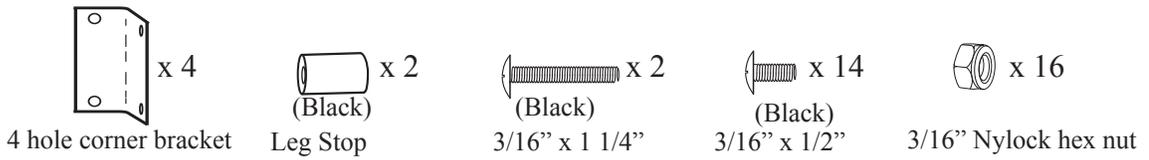


Step 11: Arrange the mattress rails on the face panels as shown.

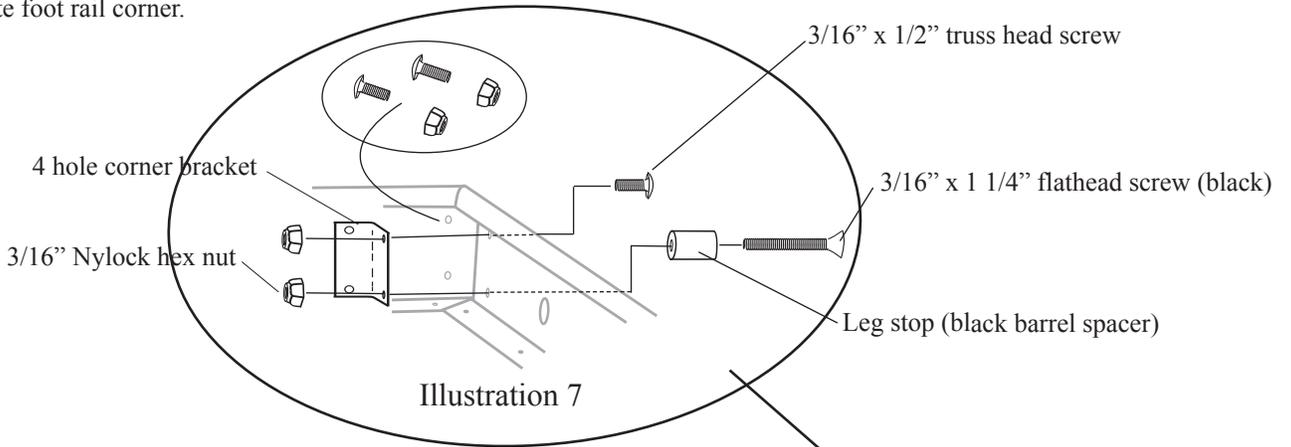
HELPFUL HINT: the "Head Rail" refers to the end that is closest to the Bed Cabinet while assembling and will be where your head is while sleeping.



Hardware needed for next 2 steps from Pack #3



Step 12: From hardware pack 3 locate the hardware shown above. Finger tighten the hardware as shown in illustration 7 attaching two of the 4 hole corner brackets on the foot rail end of the mattress frame. Note the lower hole on each side rail uses the Leg Stop with the longer screw (3/16" x 1 1/4"). Repeat on the opposite foot rail corner.



Finished edge

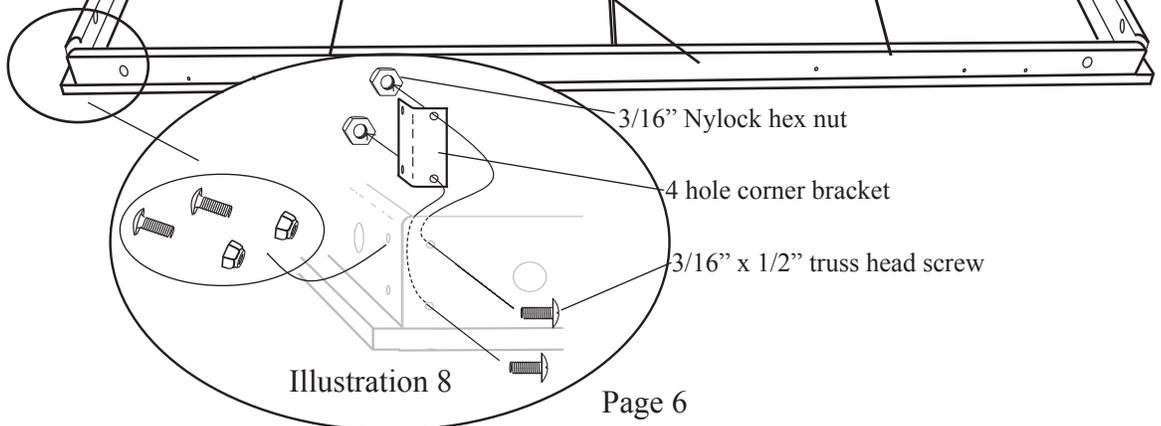
Foot rail

Step 13: Finger tighten the hardware as shown in illustration 8 attaching two of the 4 hole corner brackets on the inside Head Rail end of the Mattress Frame. Repeat opposite Head Rail corner.

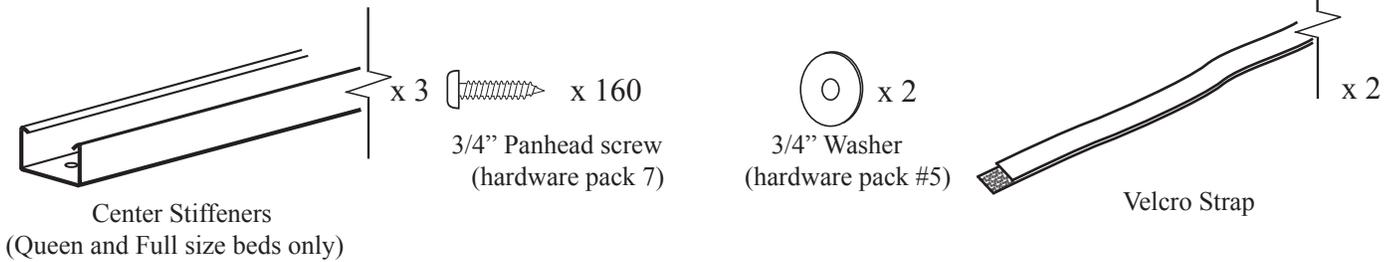
Side rail

Head rail

Step 14: Once all sides are finger tight go back to each corner and align the corners as they are tightened.



Hardware and parts needed for next steps



Step 15: Centering the frame side to side on the face panels (leaving approx. 1" space on either side) and bringing the head rail flush to the end of the panels, align the Side Rails and the Face Panels. See illustration 9.

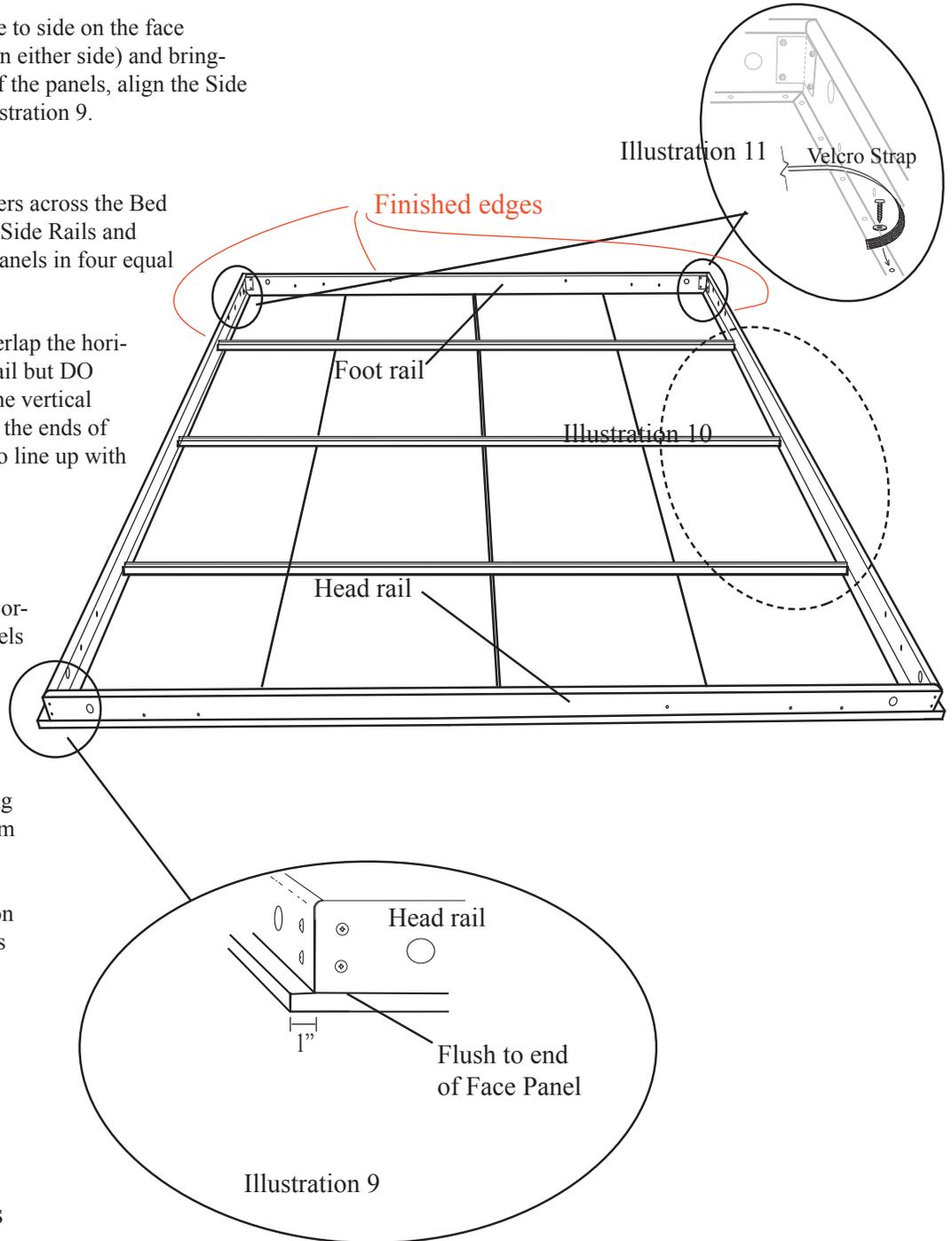
Step 16: Place the Center Stiffeners across the Bed Panels overlapping them on to the Side Rails and spaced equally to divide the Bed Panels in four equal sections. See illustration 10

Note: the stiffeners will overlap the horizontal flange of the Side Rail but DO NOT reach all the way to the vertical members. Also the holes in the ends of the Stiffeners do not need to line up with the holes in the Side Rails.

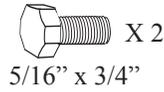
Step 17: Using the 3/4" pan head screws secure the Bed Frame to the Face Panels using 1 screw in each corner ensuring that the frame and panels are square to each other. Once the Frame is secure insert the balance of the screws around the Frame and across the Stiffeners.

Attach the Velcro Straps (for holding the mattress in place) about 18" from the foot of the bed. Put the hooks part of the strap on one side of the bed and the loops part of the strap on the other side. Insure that the hooks and loops will face each other and interlock. see Illustration 11

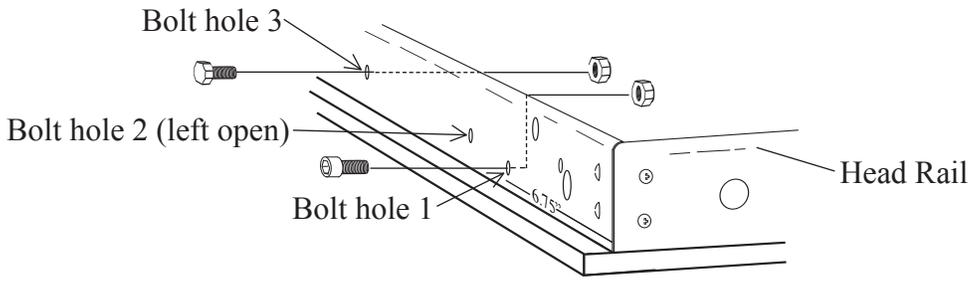
IMPORTANT! When attaching the Frames and Stiffeners, we recommend that you power drive screws only part way and then tighten by hand. DO NOT STRIP SCREWS.



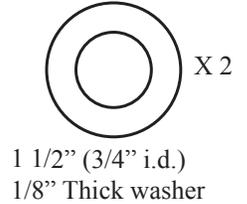
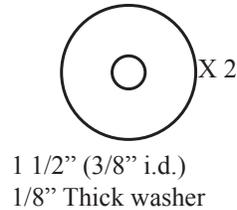
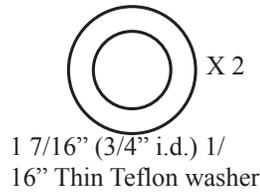
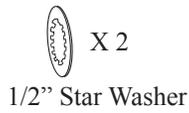
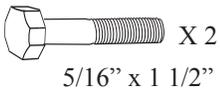
Hardware needed for next step from hardware pack #2



Step 18: As illustrated below, insert the Allen Key Bolt through bolt hole # 1 and tighten it down securely using a Nylock Nut. Now insert a 5/16" x 3/4" Hex head bolt through hole # 3 and thread the Nylock nut ONLY UNTIL IT IS FLUSH WITH THE BOLT END. Bolt hole #2 will be used in a later step.

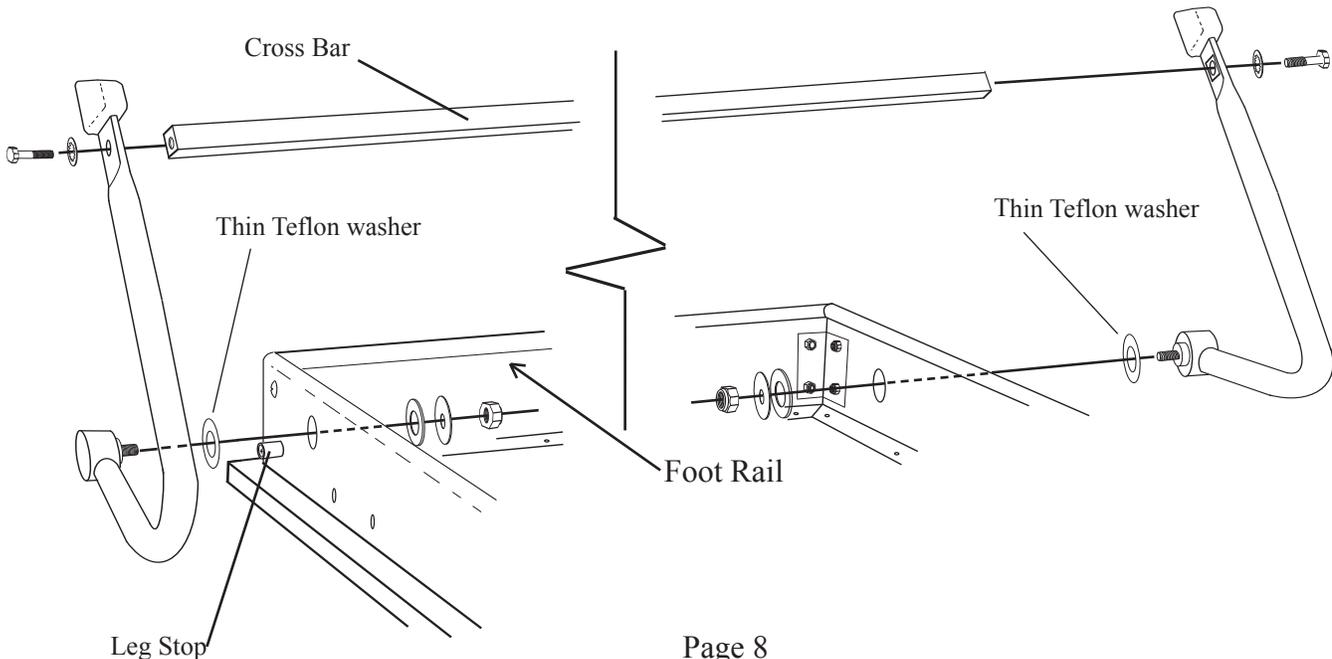


Hardware needed for next step from hardware kit #4



Step 19: Attach the Leg assembly to the frame as illustrated below. Note, 2 Teflon washers may be used on the out side of the frame for proper spacing.

Step 20: Position the Cross Bar between the Legs. Place 1/2" Star washer on one of the 5/16 X 1 1/2" Hex Head bolts. Repeat on other side.



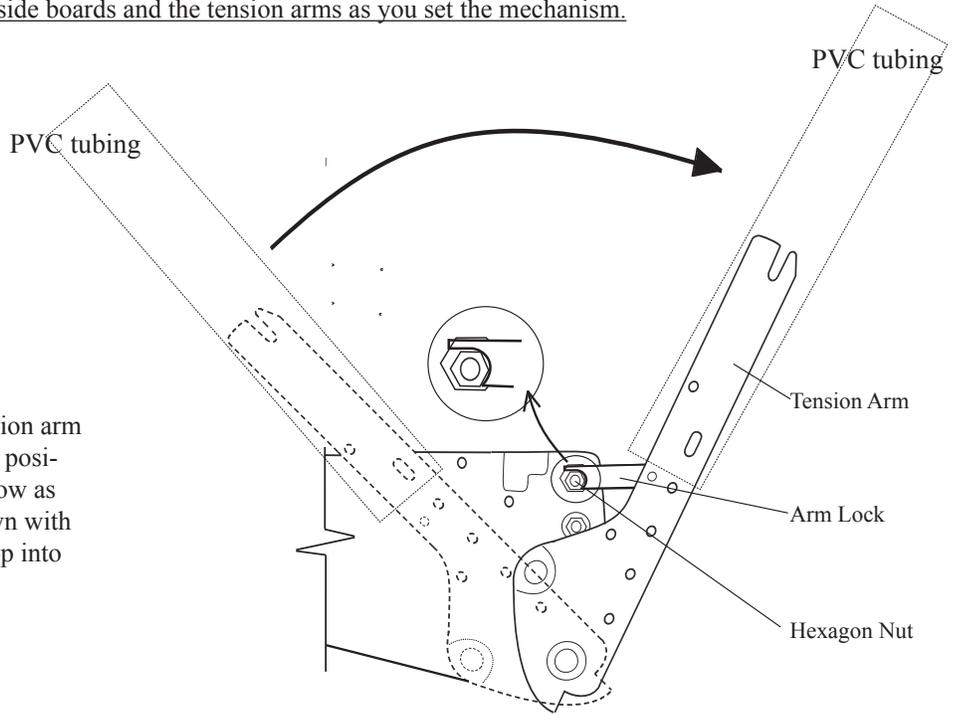


IF YOU PURCHASED LIGHTS FOR YOUR WALLBED YOU MUST RETURN TO THE LIGHT KIT INSTRUCTIONS STEP 6 AND INSTALL THE SAFETY CUT OFF DEVICE BEFORE MOVING ON.

WARNING: There is tremendous force involved in the next step, do not place hands between the front of the side boards and the tension arms as you set the mechanism.

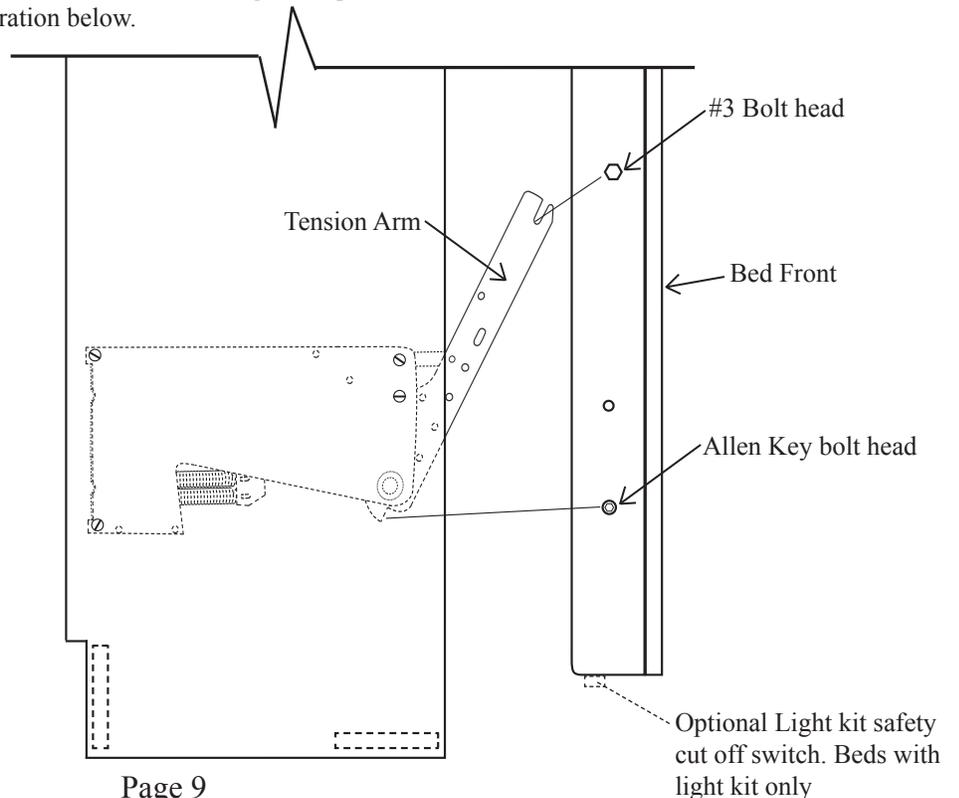
Step 21: Brace one foot against the front edge of the side board and using the 13" length of PVC tubing provided, lever the lift mechanism tension arm out and down until you can secure the arm lock to the hexagon nut shown at right. BE SURE THAT THE LOCK IS SECURED AGAINST THE HEX NUT BEFORE RELEASING THE TENSION ON THE LIFT MECHANISM.

Helpful hint: As you start to draw the tension arm down with one hand, use the other hand to position the arm lock on top of the hex nut. Now as the tension arm continues to be pulled down with both hands, the arm lock will naturally drop into place around the hex nut as illustrated.

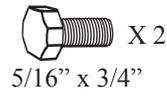
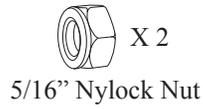


IMPORTANT! As instructed in step 18, Bolt #3 should be loose enough to slip into the notch at the end of the Tension Arm See illustration below.

Step 22: Stand the Bed face unit up on its Head Rail end. Now with you and your assistant on either side of the Bed face unit lift until the # 3 bolt on the Bed face unit is a few inches above the slotted end of the Tension Arm on both sides. Gently lower the Bed face unit between the Tension Arms and seat the # 3 bolt into the slot at the end of the Tension Arms. Now start pulling the bed face unit down and away from the Bed Cabinet the Allen Key bolt head will seat into the notch at the lower end of the Tension Arms. Lower the bed unit down and pull the Legs down so that they are on the floor. Someone will need to hold the bed unit down as it will want to rise.



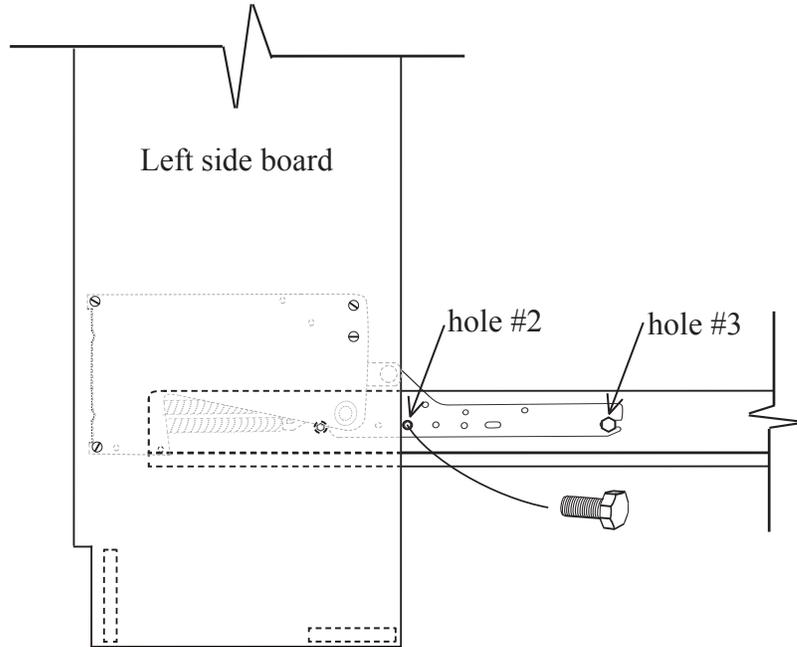
Hardware needed for next step from hardware kit #2



Step 23: Insert a 5/16" X 3/4" Hex bolt through hole #2 and tighten a 5/16" Nylock nut onto the bolt. Now tighten the nut and bolt in hole #3.

Repeat step 23 on the other side of the bed unit.

WARNING! Failure to insert and tighten all the bolts in step 23 could result in **severe personal injury** or damage to the lift mechanism. Lift mechanism damage caused by missing or loose hardware is not covered by warranty.

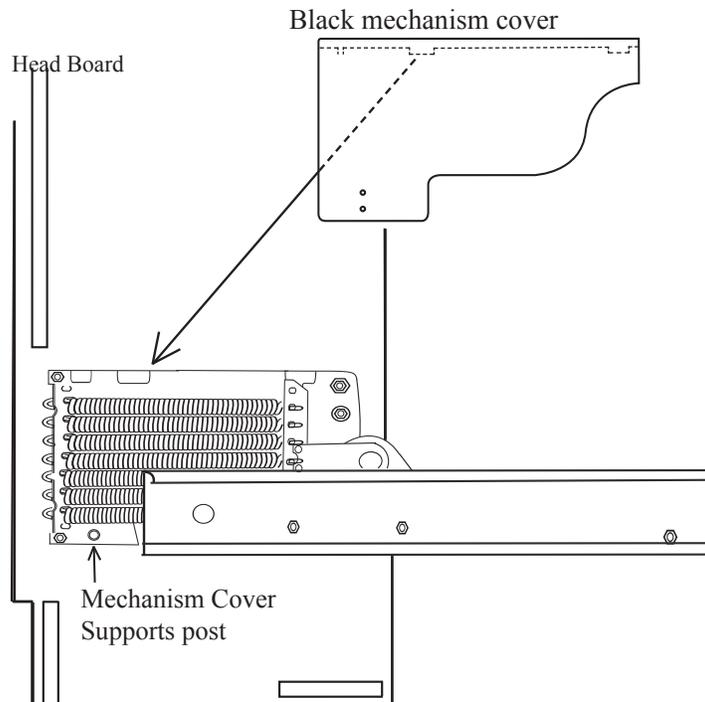


Hardware needed for next step from hardware pack #2



1 5/8" Panhead Wood Screw

Step 24: Slip the Mechanism Cover over the Mechanism so that the tabs on the cover fit into the notches provided. Line up the hole with the mechanism cover support post and insert one Pan-head wood screw per side.



Step 25: Place Handles as desired on Wallbed

Note: Positioning the handles more toward the top of the bed face will make the bed easier to open.

