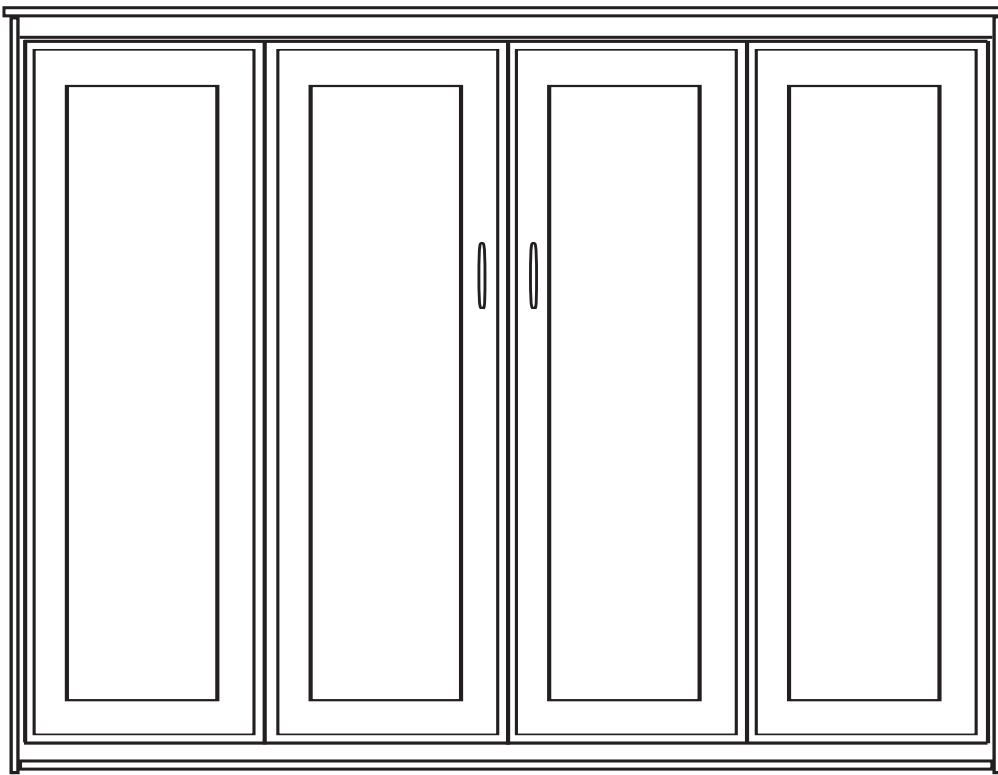




# Wilding Wallbeds®



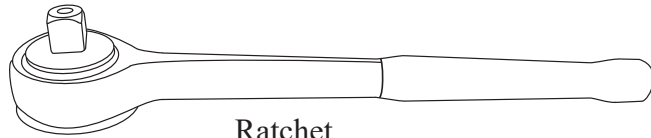
Side Mount

INSTRUCTION BOOKLET #C22

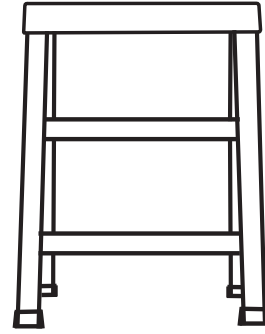
WARNING! ALL MURPHY/WALLBED SYSTEMS CONTAIN STORED ENERGY. FAILURE TO USE AND FOLLOW THESE INSTRUCTIONS DURING THE INSTALLATION PROCESS COULD RESULT IN SEVERE PERSONAL INJURY TO USER OR DAMAGE TO PRODUCT. PLEASE CONTACT CUSTOMER SERVICE AT 866-725-6401 FOR ANY QUESTIONS.



# Tools Needed



Ratchet



Step Ladder



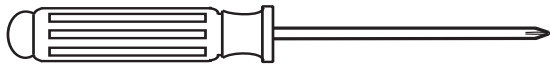
13mm Socket



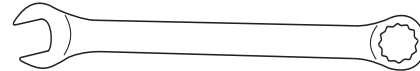
11mm Socket



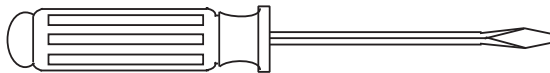
8mm Socket



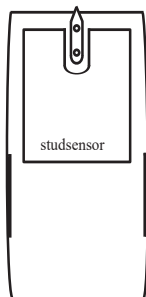
Phillips screwdriver



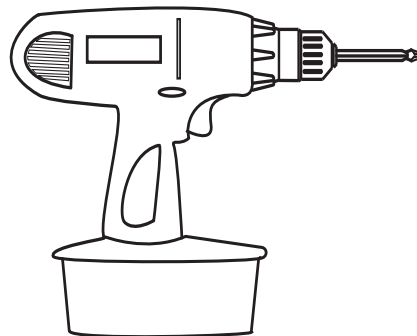
13 mm open end wrench



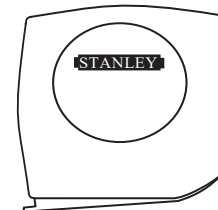
Large regular screwdriver



Stud finder



Cordless screw driver  
With Phillips bit



Tape measure

# Hardware Page

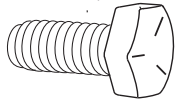
## Pack 2

Item Qty



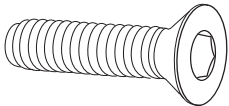
16

5/16" Nylock  
Hex Nut



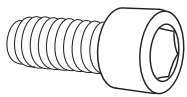
4

5/16" x 1"  
Hex Head Bolt



10

5/16" x 1 1/4"  
Tapered Allen Head Bolt



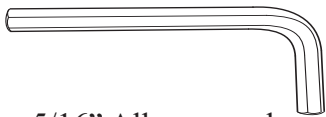
2

5/16" x 1"  
Allen Head Bolt

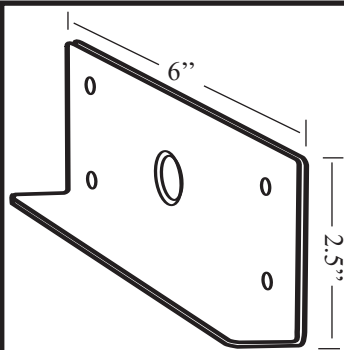


2

1 5/8" Pan head  
Wood Screw



5/16" Allen wrench



2

Panel Saver  
(in mechanism rails box)

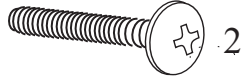
## Pack 3

Item Qty



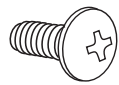
16

10-24 Black  
Nylock Nut



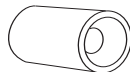
2

10-24 x 1 1/4" Black  
Machine Screw



14

10-24 x 1/2" Black  
Machine Screw



2

1/2" x 3/4"  
Black Barrel  
(Leg Stop)



4

1" x 1" x 1 3/4"  
Four Hole Corner  
Bracket

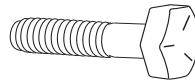
## Pack 4

Item Qty



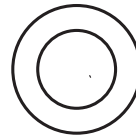
2

Star Washer



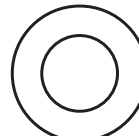
2

1/4" x 1 1/2"  
Hex Head Bolt



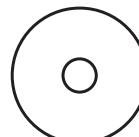
4

1 1/2" Nylon washer



2

1 1/2" x 5/16"  
Black washer



2

1 1/2" X .765"  
Black washer

## Other Hardware (From Manila Envelope)

Item Qty



4

Cam Fitting



1

Square Tip Bit



36

Connecting Bolts



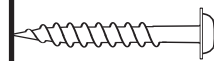
1

1/4" wood drill bit



6

3 1/2" Wood Screw

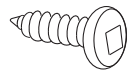


160

1 1/4" Square  
Drive Wood Screw

## Pack 7

Item Qty

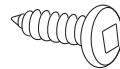


160

5/8" Pan head  
Screw

## Pack 5

Item Qty



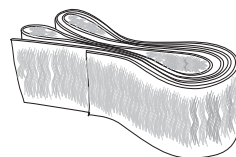
2

5/8" Pan head Screw



2

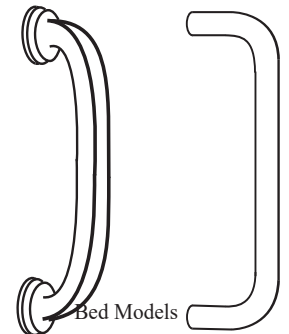
3/4" Washer



2

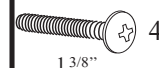
Velcro Retainer Straps

## Bed Handles

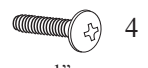


Remington  
New Port

Dakota



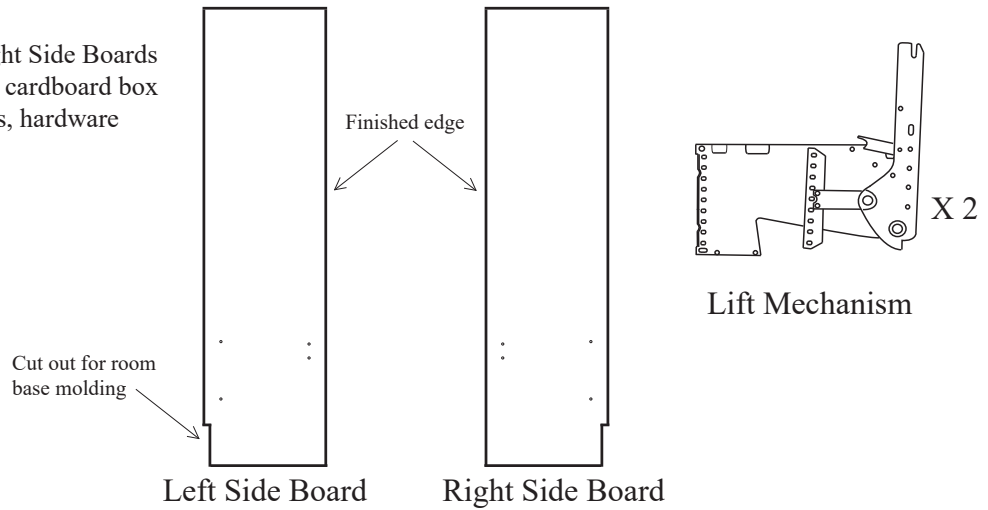
1 3/8"



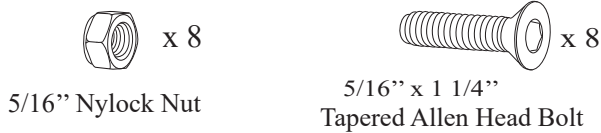
1"

NOTE: Handle  
may vary depend-  
ing on bed style.

**Step 1:** Locate the left and right Side Boards and then from the small square cardboard box locate the two Lift Mechanisms, hardware bags, and springs.



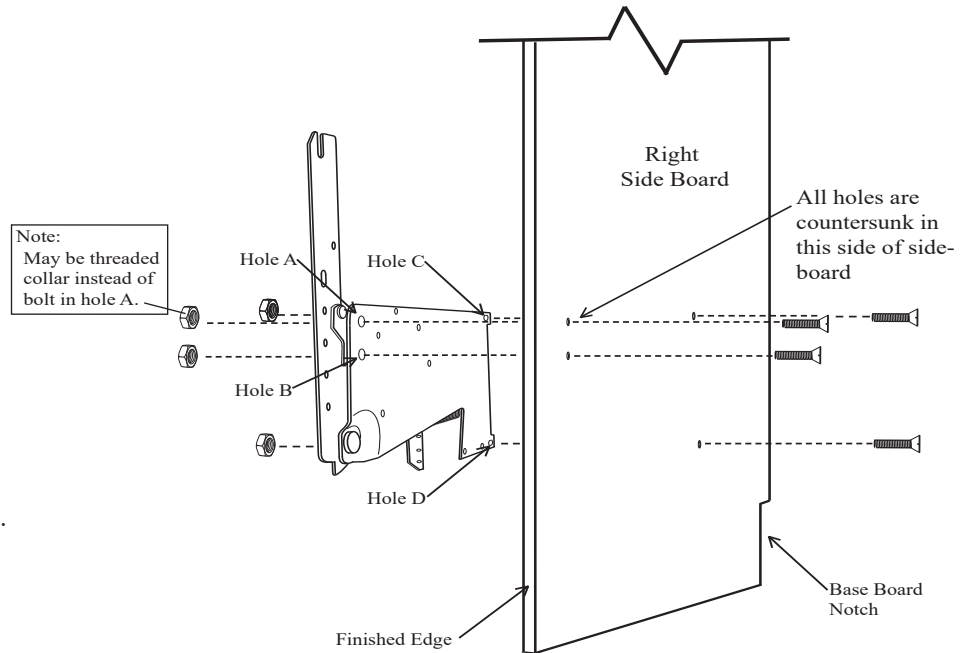
**Hardware needed for next step from Pack #2**



**Step 2:** Install the Lift Mechanism to the Side Board by inserting a 5/16 x 1 1/4" Tapered Allen head Bolt through holes A, B, C and D from the outside (countersunk holes) of the Side Board. The bolt then goes through the corresponding holes of the Right Lift Mechanism as illustrated. Thread on four 5/16" Nylock nuts and tighten (hole A may have threaded collar instead of bolt)

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

Repeat step 2 with the Left Side Board and Lift Mechanism.



Hardware needed for next step:



### Lifting Springs

(from box labelled SBLM)

#### Step 3: Install Springs in the Lift Mechanisms (Some springs may be pre-installed)

The required number of springs in the Lift Mechanisms 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	5
Full/Double	3
Twin/Single	1

NOTE: After you have completed installing and checking operation of your Wall bed, 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 #5 (if mechanism has some pre-loaded springs from the factory, remove lower springs first) on both the Mounting Plate and the Tension Arm. Hook one end of the spring under the upturned edge of the Mounting Plate first then lay the spring down and slide it under the matching hole in the Tension Arm. See illustration 1.

HELPFUL HINT: Watch how to do this process at:

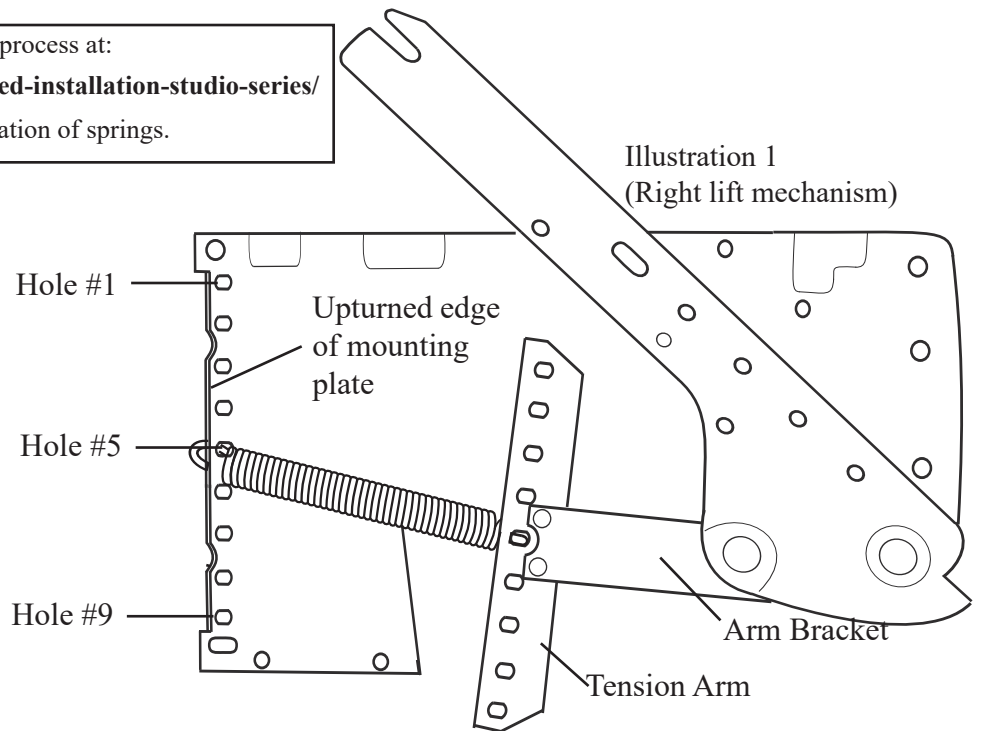
<https://www.wallbedsbywilding.com/wallbed-installation-studio-series/>

See [step 4](#) of the video to view installation of springs.


Continue by working up one hole in the lifting mechanism, then down one hole alternating back and forth until all springs are loaded.

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 3 for Left Lift Mechanism.



Hardware needed for next step:

 x 16-20 (Depending on option)\*

Connecting Bolt

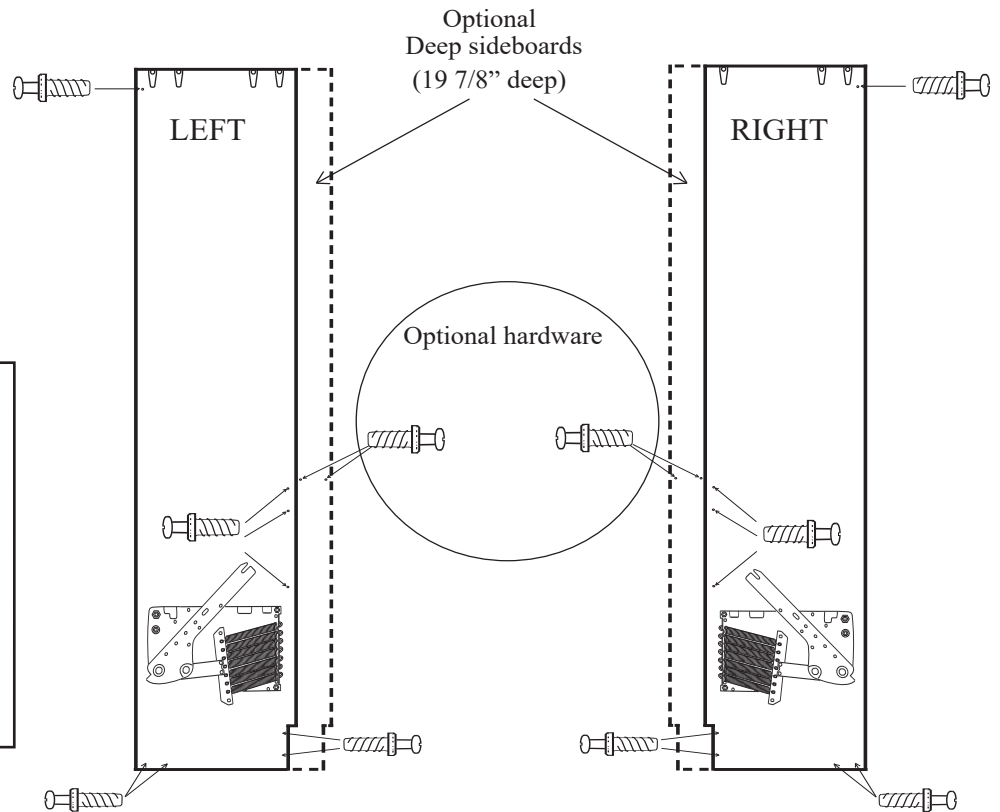
(From Manila Envelope)

**Step 4:** Lay the right and left Side Boards down as illustrated and screw the Connecting Bolts into the holes provided as illustrated.

Note: Screw the connecting bolts down until the collar of the connecting bolt is seated firmly against the surface of the wood.

**\*Information on Optional Depth:**

“Standard depth” side boards measure 15 7/8” deep whereas “Extra Deep” side boards measure 19 7/8”. The dashed lines on the illustrations show the optional extra depth side boards and will have two additional connecting bolts to hold a headboard shelf once assembly is complete.

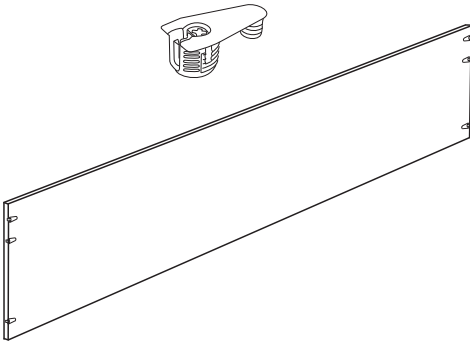


Head Boards have 2 options. Option 1 is for a “standard depth” Wallbed and Option 2 is for an “Extra Deep” Wallbed. Determine which Wallbed kit you have and then proceed with the correct option below.

OPTION 1

STANDARD DEPTH HEAD BOARD

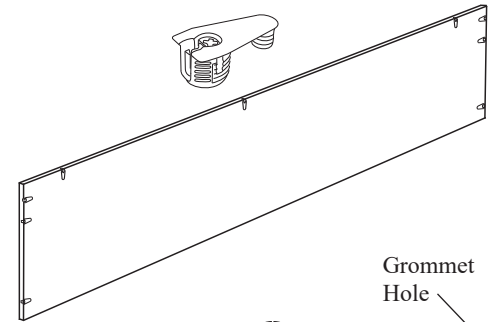
Head Board has 6 Cam Fittings pre-inserted into the back of the Head Board



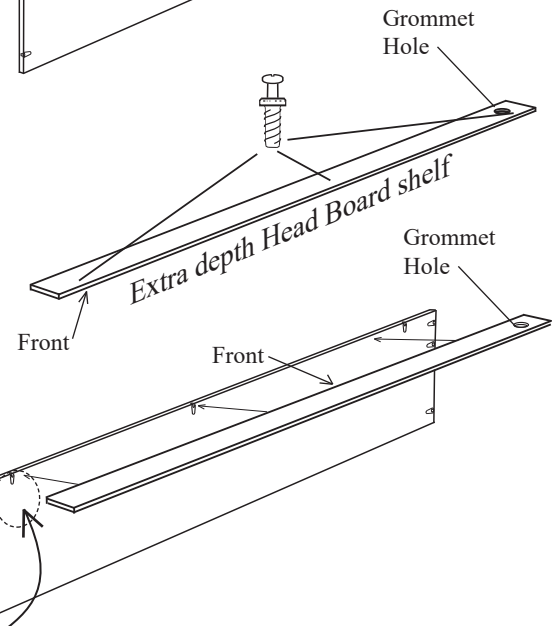
OPTION 2

EXTRA DEEP HEAD BOARD

Head Board has 9 Cam Fittings pre-inserted into the back of the extra deep Head Board

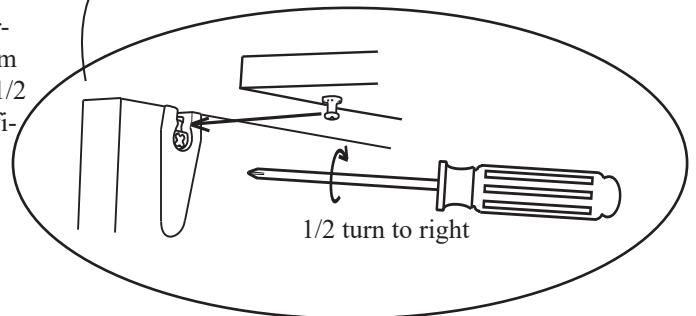


Insert 3 Connecting Bolts in the bottom of the Head Board Shelf.



Turn the Head Board Shelf over and insert the Connecting Bolts into the Cam Fittings and tighten them with a Phillips screw driver.

Important! Don't overtighten Cam Fittings a 1/2 turn is sufficient.

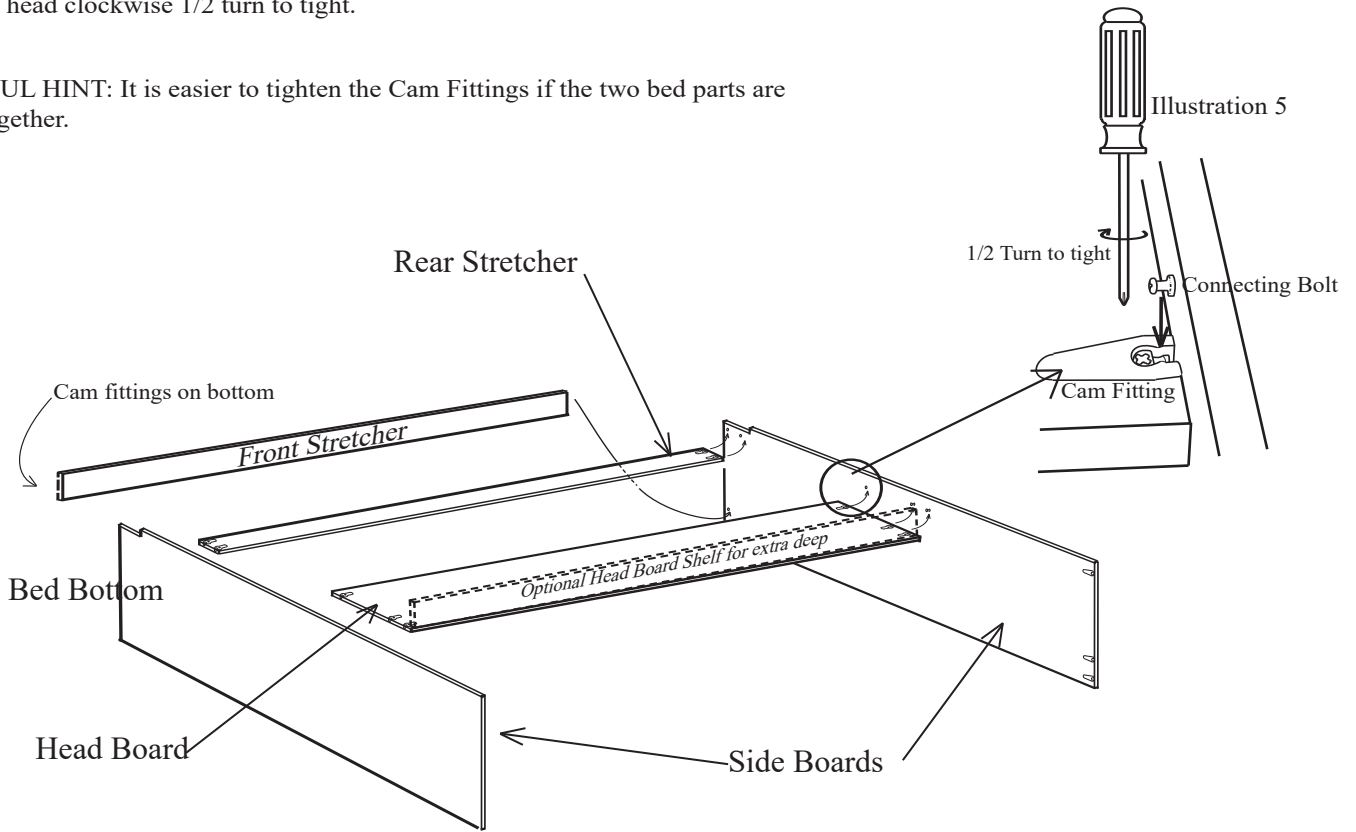




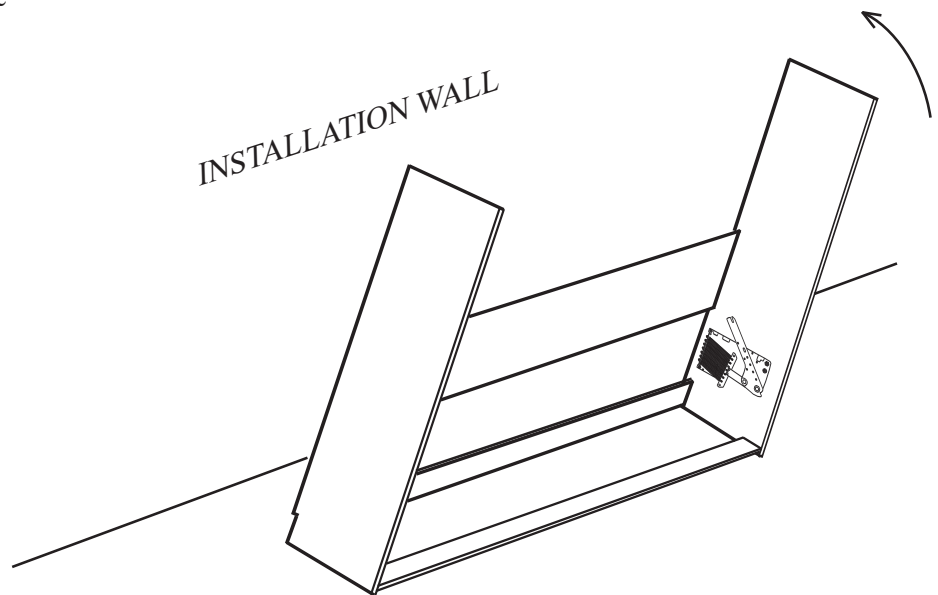
**Step 5:** Assemble the Bed Cabinet face down with the bottom of the Bed Cabinet nearer the wall in which it will be installed. Note the “Front Stretcher” (illustrated below) should be positioned so the Cam Fittings are at the bottom of the Bed Cabinet.

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

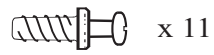
**HELPFUL HINT:** It is easier to tighten the Cam Fittings if the two bed parts are snug together.



**Step 6:** Stand the bed cabinet up and leave 2 feet between cabinet and the wall so you have space to work behind the bed



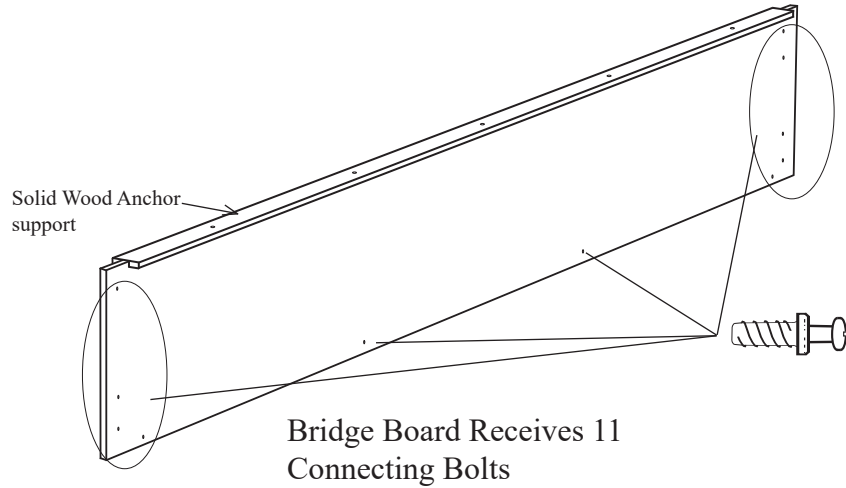
## Hardware needed for next step



Connecting Bolt

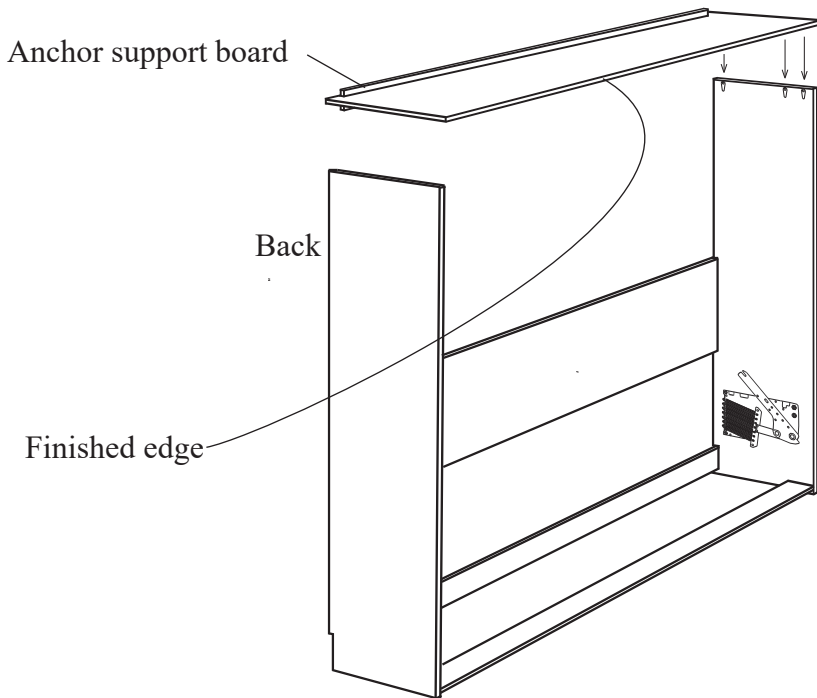
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**Step 7:** Locate the Bridge Board and Insert 11 Connecting Bolts into the holes provided.

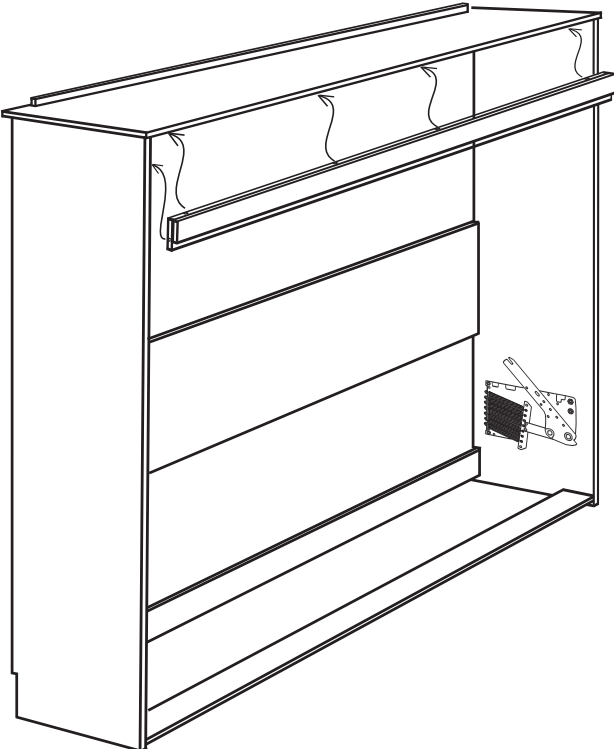


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**Step 8:** Position the Bridge Board as illustrated below. Place it on to the Side Boards and tighten all Cam Fittings.



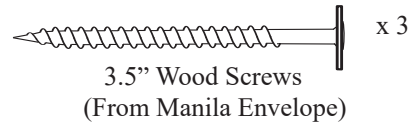
Step 9: Locate the Front Bridge Support boards (two narrow pieces of wood connected together) and insert it between the Side Boards and on to the Connecting Bolts. Tighten all Cam Fittings.



**WARNING! THE NEXT STEP MAY REQUIRE PROFESSIONAL HELP.**

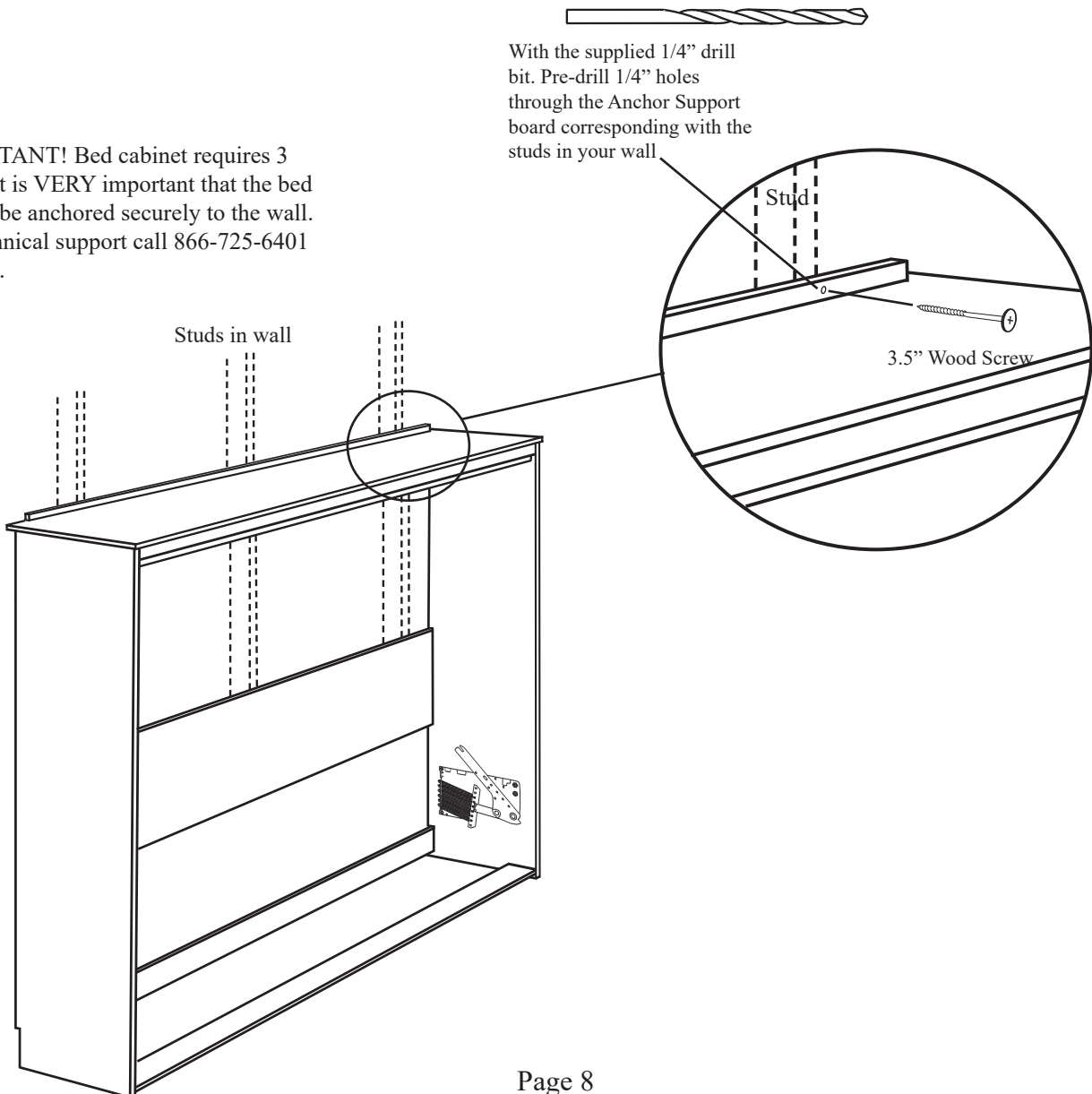
IF YOUR WALLS ARE NOT TRADITIONAL WOOD FRAMING, YOU MAY NEED TO HIRE A HANDY MAN OR CONTRACTOR TO HELP IN ANCHORING THE BED TO YOUR WALL. FAILURE TO PROPERLY ANCHOR THE CABINET COULD CAUSE SEVERE PERSONAL INJURY. CALL TECHNICAL SUPPORT AT 866-725-6401 IF YOU HAVE ANY QUESTIONS.

Hardware needed for next step



Step: 10: Using a Stud Finder locate and mark at least 3 studs in the wall behind the bed cabinet. Pre drill with a 1/4" drill bit (supplied) through the Anchor Support Board at the back of the Bridge Board corresponding with the studs in your wall. Using the 3 1/2" wood screws provided anchor the bed cabinet to the wall through the pre drilled holes.

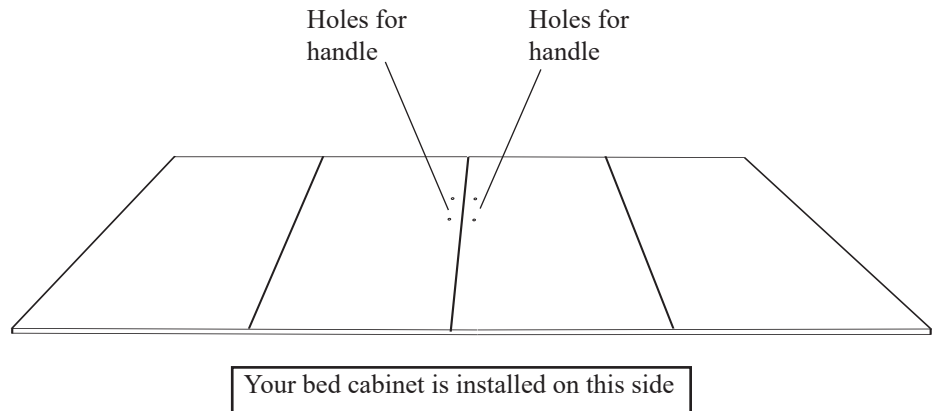
**IMPORTANT!** Bed cabinet requires 3 studs, It is VERY important that the bed cabinet be anchored securely to the wall. For technical support call 866-725-6401 toll free.



Important note: It is critical to orient the Bed Face panels and the Mattress Rails in the next 5 steps correctly. All of the renderings (drawings) in the next 5 steps assume that you are looking away from the wall you just installed the Bed Cabinet against in the previous step. There is a note under each of the following renderings indicating “your bed cabinet installed on this side” which indicates that is where the Bed Cabinet is in relation to the face panels and rails.

**Step 11:** 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 in the last step and leave enough room to work around them. Note that the holes for bed handles are arranged together and more away from the wall the Bed Cabinet is installed against.

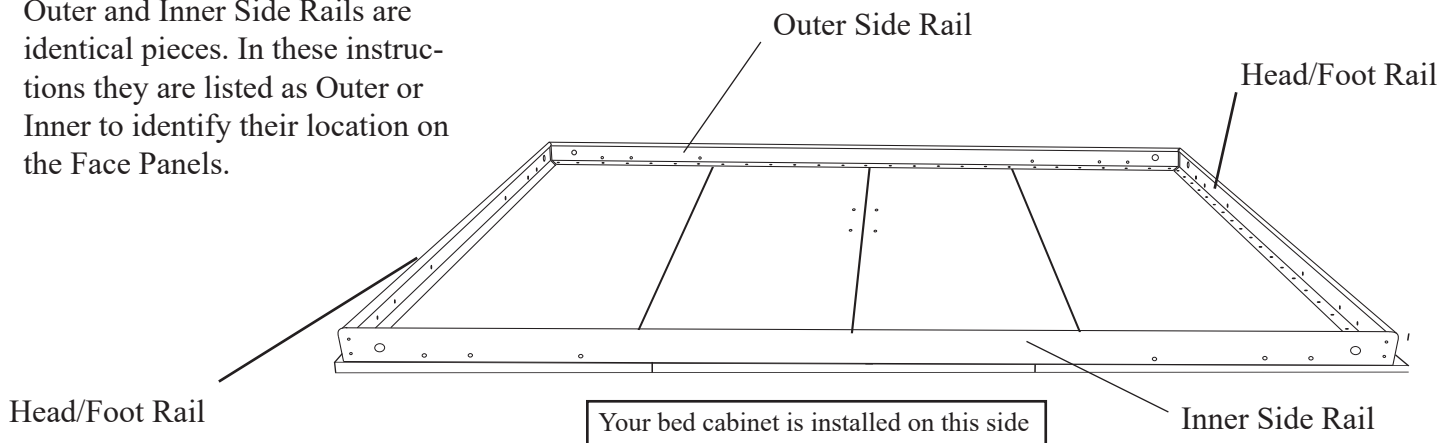
Note: Number of face panels will vary depending on bed model. But will typically be either 2 or 4



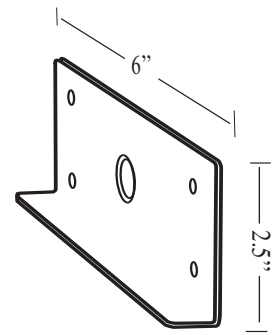
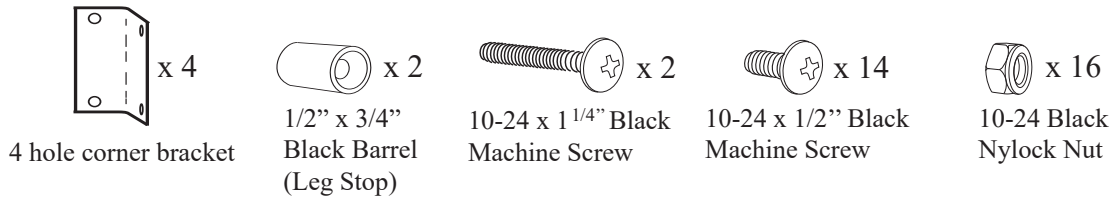
**Step 12:** Arrange the Mattress Rails on the face panels as shown.

HELPFUL HINT: Side Mount beds can be slept on in either direction. The rails referred to as “Head/Foot rail” (identical) can act as either the head or foot of the bed, depending on which way a sleeper lies.

Outer and Inner Side Rails are identical pieces. In these instructions they are listed as Outer or Inner to identify their location on the Face Panels.

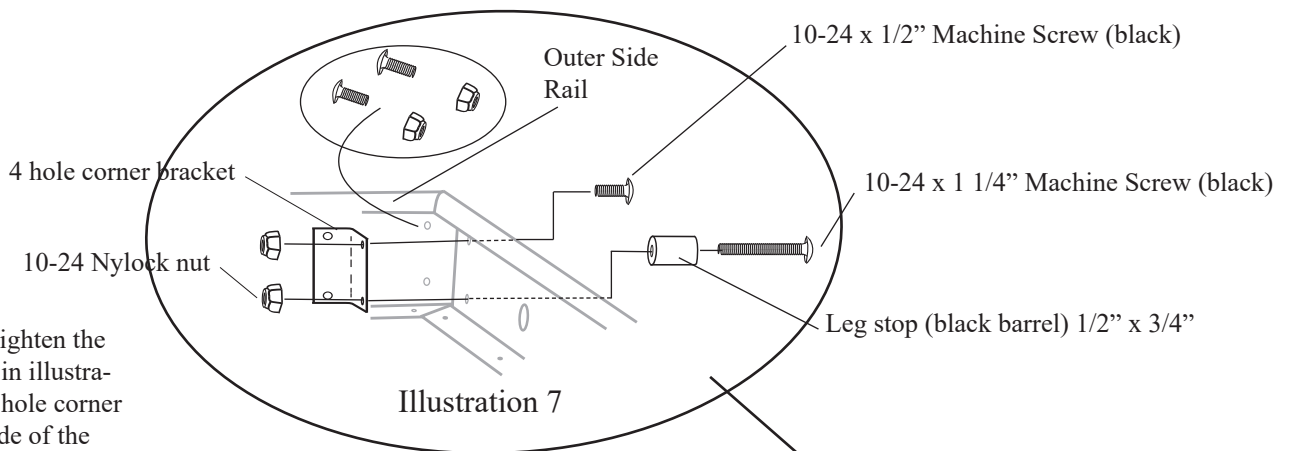


Hardware needed for next 2 steps most from Pack #3



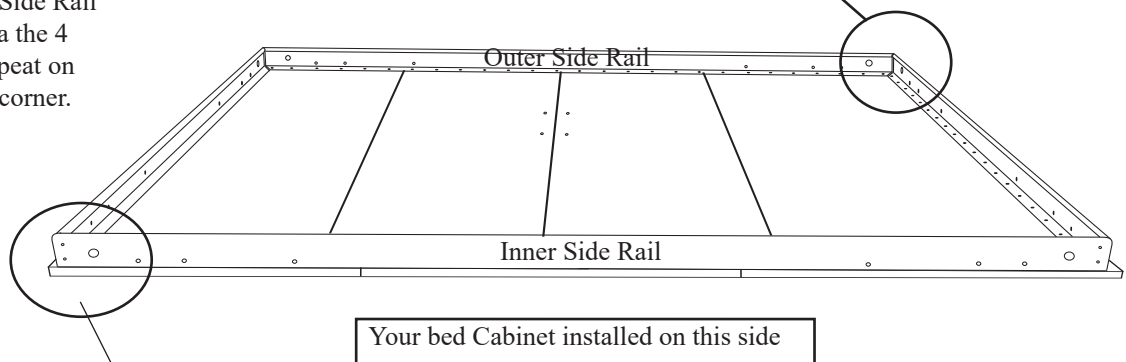
Panel Saver  
(From rails box)

**Step 13:** From hardware pack 3 locate the hardware shown above. Finger tighten the hardware as shown in illustration 7 connecting the Outer Side rail to a Head/Foot rail using a 4 hole corner bracket. Note the lower hole on each Head/Foot rail uses the Leg Stop with the longer screw (1 1/4" Machine). Repeat on the opposite side of the Outer Rail corner.

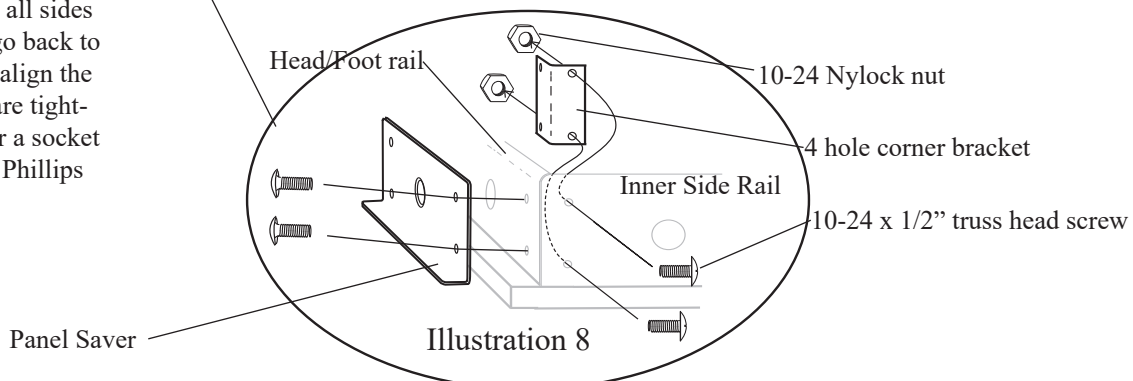


**Step 14:** Finger tighten the hardware as shown in illustration 8 attaching a 4 hole corner brackets on the inside of the Head/Foot Rail and the Panel Saver on the outside of the Rail. Now connect the Inner Side Rail to the Head/Foot rail via the 4 hole corner bracket. Repeat on the opposite Inner Rail corner.


Note: The Panel Savers have 4 holes but you will only use two attaching them to the Head/Foot Rails.




**Step 15:** Once all sides are finger tight go back to each corner and align the corners as they are tightened using either a socket or wrench and a Phillips screw driver.



## Hardware and parts needed for next steps

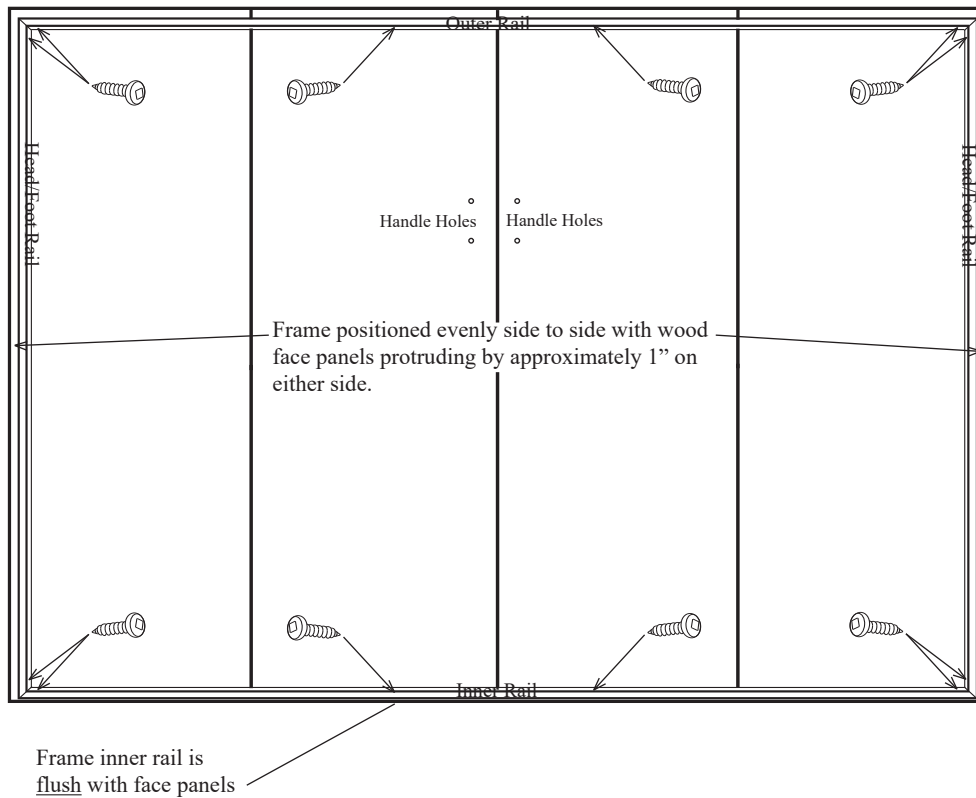
 x 160  
5/8" Square Pan head screw  
(Hardware pack #7)

 x 1  
Square Tip Bit  
(Provided in Manila Envelope)

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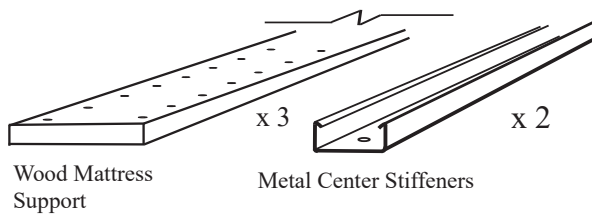
**Step 16:** Center the assembled frame side to side on the Face Panels (leaving approximately 1" space on either side) and bring the Inner Rail flush to the end of the Face Panels. Once the frame is positioned correctly and the panels and rails are even and square to each other use 2 screws (5/8" square drive) in each corner, as well as one in each panel at the Inner and Outer rail to hold assembly in place. With the rails held in place, Use the 5/8" screws in each of the remaining holes around the frame.

Caution: DO NOT STRIP SCREW!



BIRDS EYE (TOP) VIEW

## Hardware and parts needed for next steps



1 1/4" Square drive Wood screw

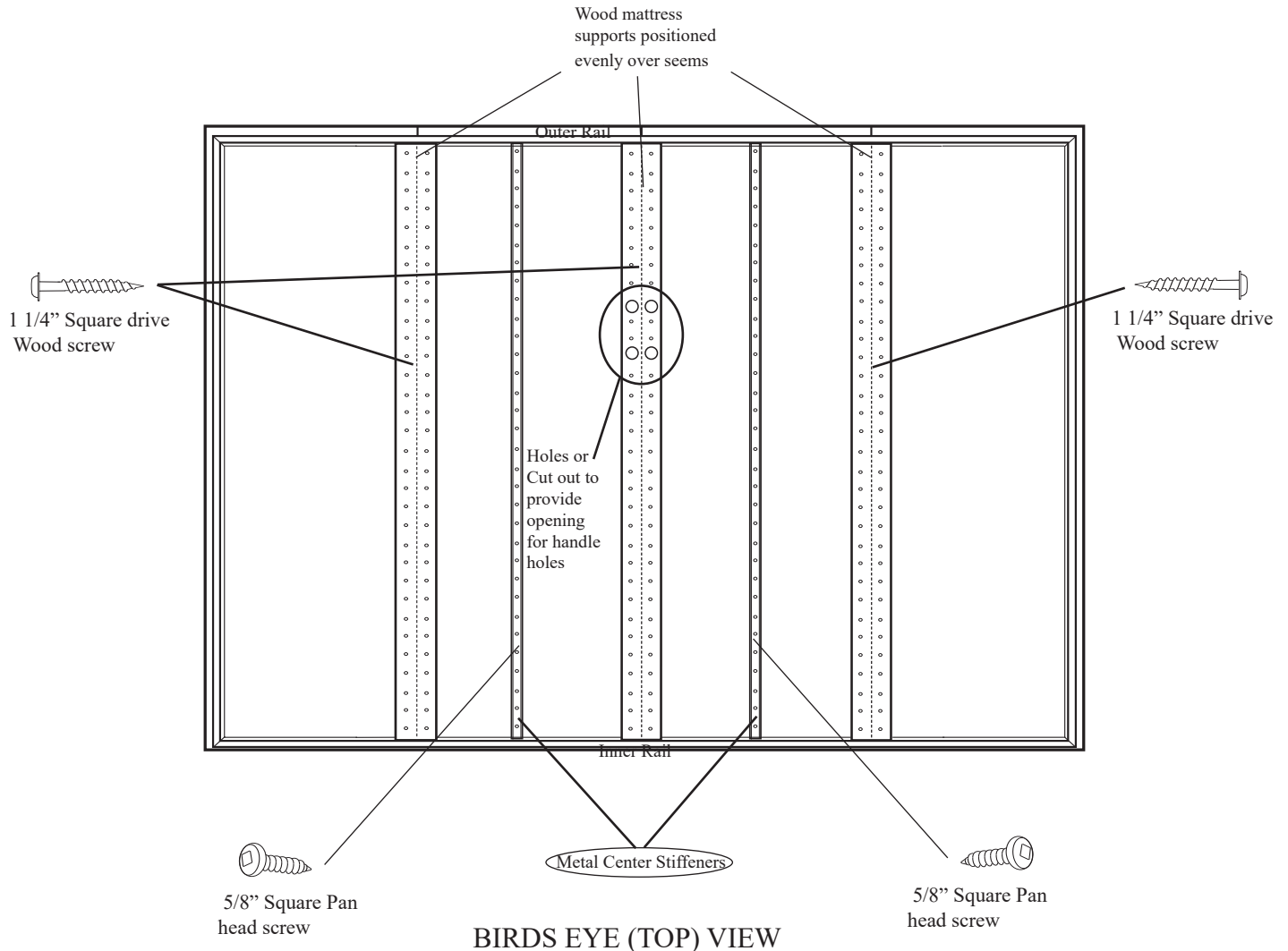
x 1  
Square Tip Bit  
(Provided in Manila Envelope)

5/8" Square Pan head screw  
(Hardware pack #7)

**Step 17:** Position the Wood Mattress Supports evenly over the Face Panel seams allowing their ends to over lap the Outer and Inner Rails. Use the 1 1/4" wood screws through the holes provided in the Mattress Support to mend the Face Panels together. **DO NOT STRIP SCREWS.**

Helpful hint: Mattress Supports may have an area cut out to allow for the bed handle holes.

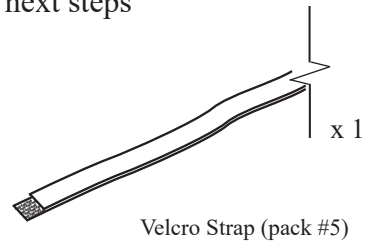
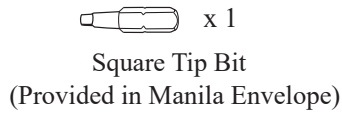
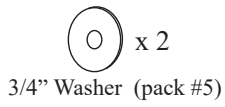
**Step 18:** Position the 2 Metal Stiffeners evenly in the space provided between the outer and center Wood Mattress Supports as illustrated below. Now use the 5/8" square drive screws to fasten the Stiffeners to the Face Panels. **DO NOT STRIP SCREWS.**



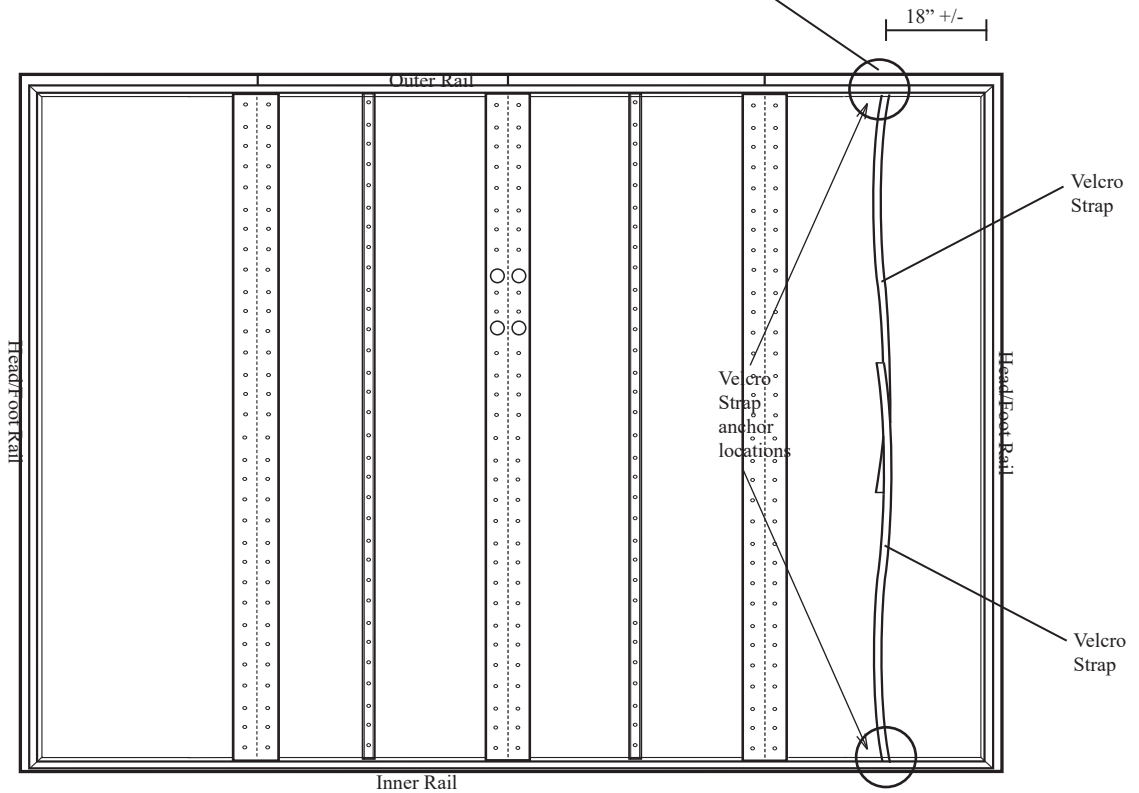
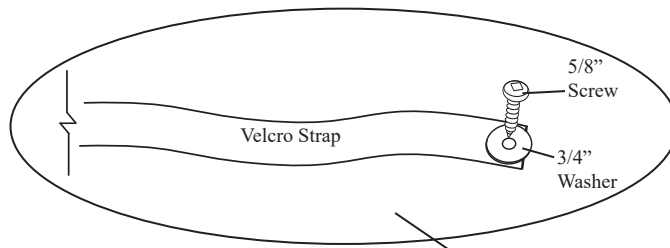
**BIRDS EYE (TOP VIEW)**



## Hardware and parts needed for next steps




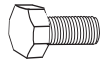
**Step 19:** Attach the Velcro Strap that is used for holding the mattress in place while wall bed is closed. First remove one of the 5/8" Pan head screws that attaches the rail to the Face Panels on each side of the frame at about 18" from the Head/Foot rail of the frame. Then put the removed screw through the 3/4" Washer. Position the end of the Velcro strap over the vacated screw hole on the rail and drive the screw through the Velcro strap and back into the hole. Repeat the process on the opposite rail making sure that the Velcro straps oppose each other so they hook together in the middle.




BIRDS EYE (TOP) VIEW

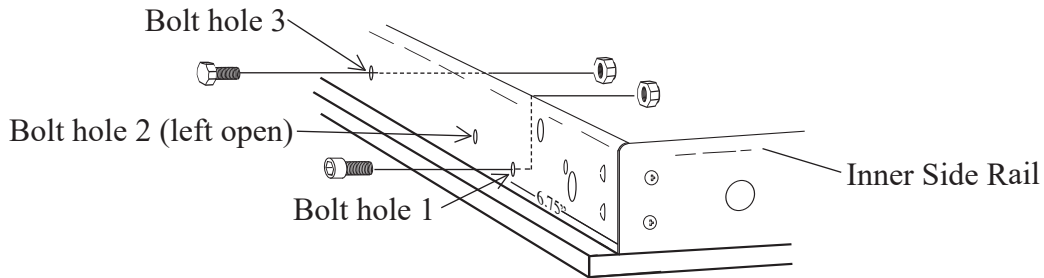
Hardware needed for next step from hardware pack #2

 X 4  
5/16" Nylock Nut

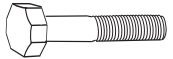
 X 2  
5/16" x 1"  
Hex Head Bolt

 X 2  
5/16" x 1"  
Allen Head Bolt

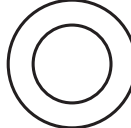
**Step 20:** As illustrated below, insert the Allen Head Bolt through bolt hole # 1 and tighten it down securely using a Nylock Nut. Now insert a 5/16" x 1" Hex head bolt through hole # 3 and thread the Nylock nut ONLY UNTIL THE NUT IS FLUSH WITH THE END OF THE BOLT. Bolt hole #2 will be used in a later step and is left open for now.

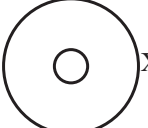



Hardware needed for next step from hardware pack #4

 X 2  
1/4" x 1 1/2"

 X 2  
Star Washer

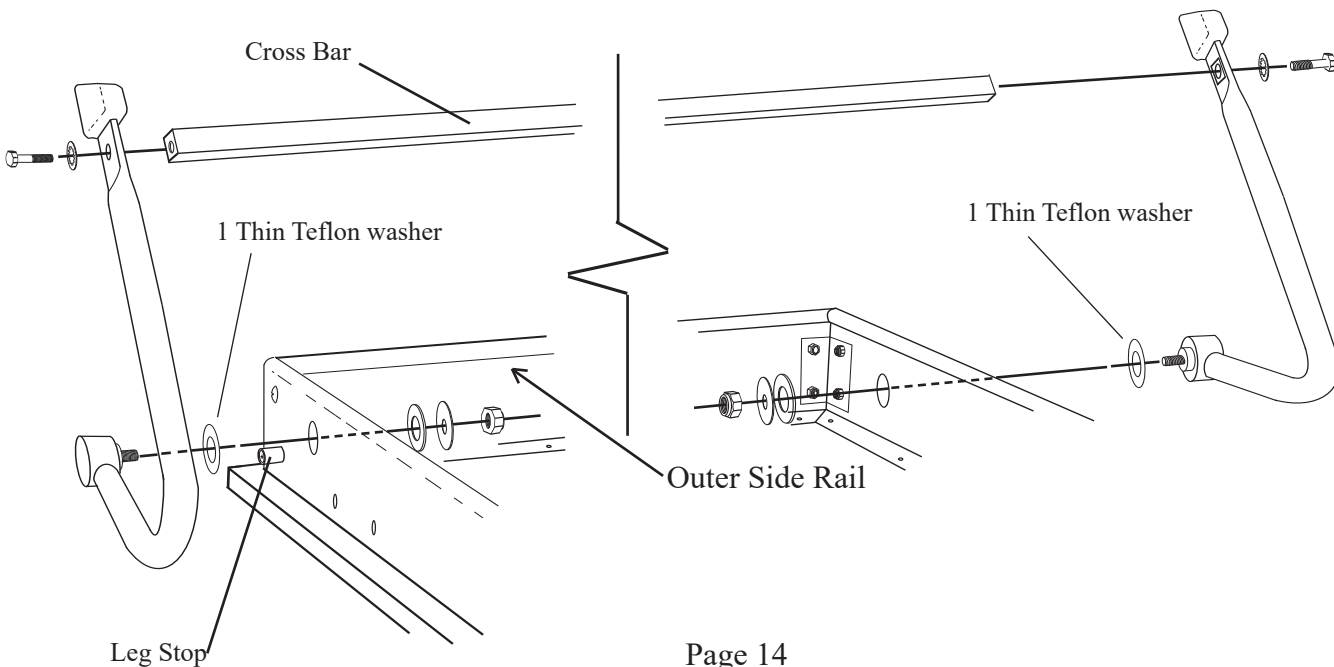
 X 4  
1 1/2 Nylon washer

 X 2  
1 1/2" x .765

 X 2  
1 1/2" x 5/16" Black washer

**Step 21:** Attach the Leg Assembly to the OUTER RAIL side of the frame as illustrated below. Use 1 Teflon washers on the out side of the frame for proper spacing.

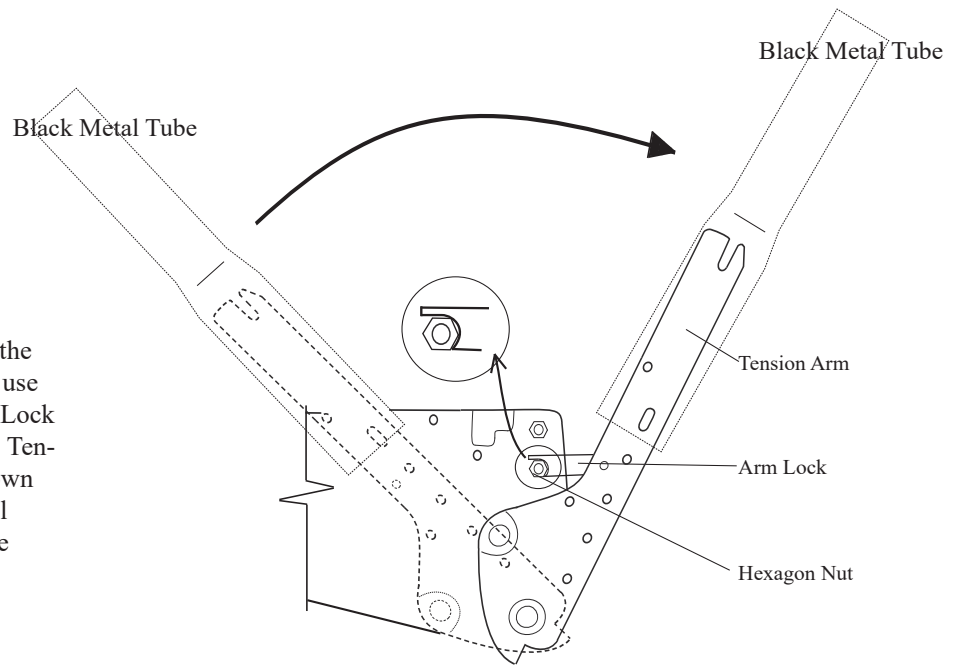
**Step 22:** Position the Cross Bar between the Legs. Place the Star washer on one of the 1/4" X 1 1/2" Hex Head bolts. Repeat on other side.



**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.

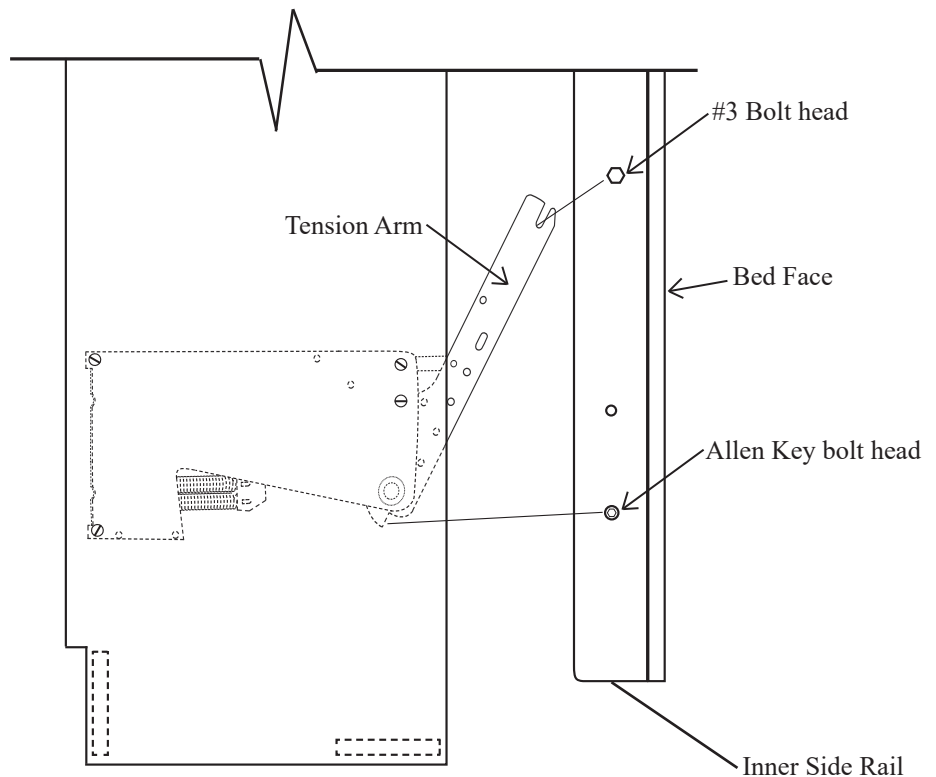
**Step 23:** Brace one foot against the front edge of the Side Board and using the 14.5" black metal tubing provided in hardware kit, lever the Lift Mechanism's Tension Arm out and down until you can secure the Arm Lock onto the Hexagon Nut shown at right. BE SURE THAT THE LOCK IS SECURED AGAINST THE 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.

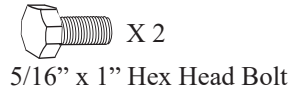


**IMPORTANT!** As instructed in step 20, Bolt #3 should be loose enough to slip into the notch at the end of the Tension Arm See illustration below.

**Step 24:** Stand the Bed face unit up on its Inner Side Rail. Now with you and your assistant on either side of the Bed unit lift until the # 3 bolt on the Head/Foot Rail 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 Head bolt will naturally seat into the notch at the lower end of the Tension Arms. Lower the bed unit down and extend the Legs 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 pack #2

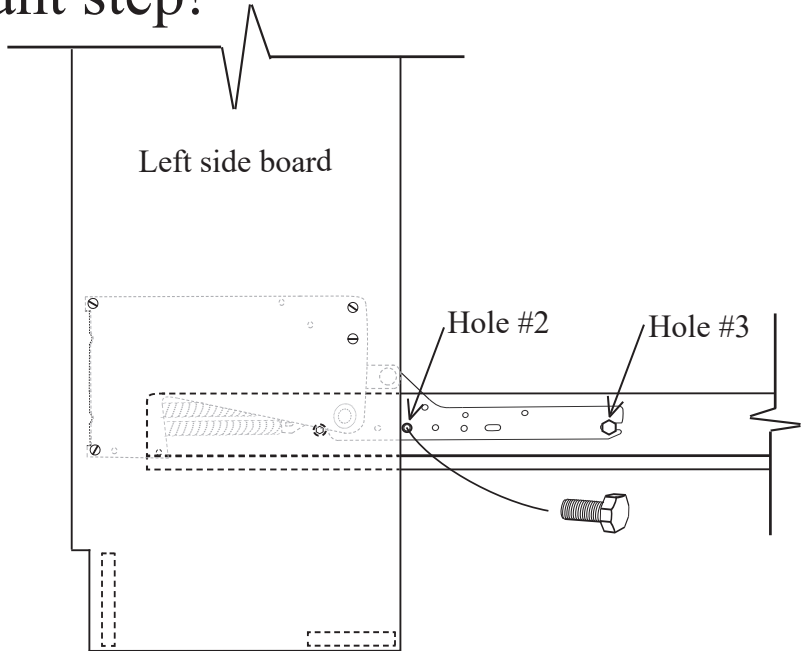


## Warning very important step!

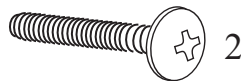
**Step 25:** Insert a 5/16" x 1" Hex Head bolt through hole #2 and tighten a 5/16" Nylock nut onto the bolt. Now tighten the nut and bolt in hole #3.

Repeat step on the other side of the bed unit.

**WARNING!** Failure to insert and tighten all the bolts in step 25 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

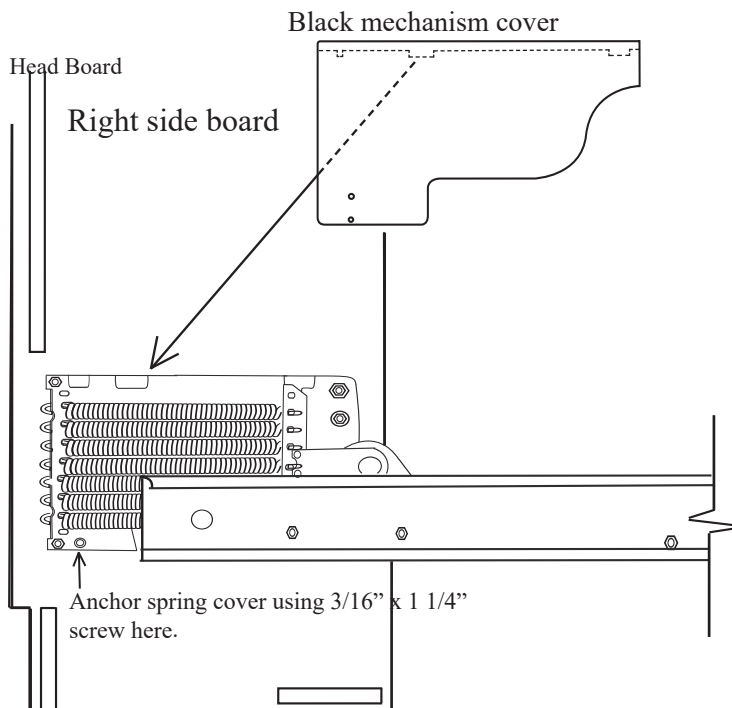


3/16" x 1 1/4" Black Wood Screw

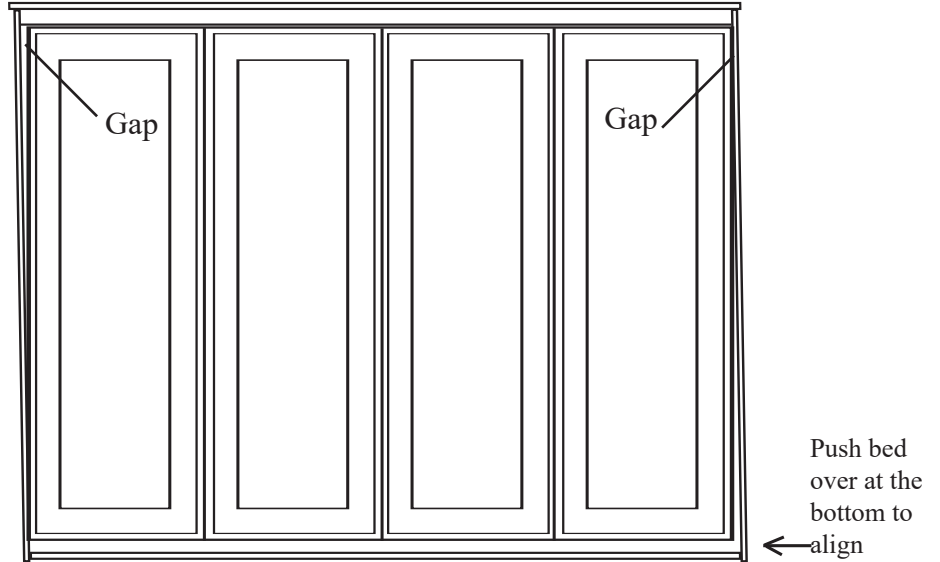
**Step 26:** Slip the Mechanism Cover over the Mechanism so that the tabs on the cover fit into the notches provided. Line up the hole with the barrel support and anchor in place using the 3/16" x 1 1/4" wood screw provided

Repeat step on the other Mechanism.

Helpful hint: The screw for attaching the spring cover is a wood screw not a machine screw and is in hardware pack #2.



**Step 27:** When the bed is closed check to see if the gap on either side is the same. If it looks right skip this step. If the gap is not right, meaning that the Bed Face is too close to the Side Board or even touching it at the top on one side it will need to be adjusted. The procedure will require the bottom of the bed cabinet to be moved slightly to the left or right depending on which top corner is too close. If the Bed Face is too close on the top right side for instance, the right side (bottom) will need to be slid to the left slightly. Have one person push the bed at the bottom with his feet while the second person pulls at the opposite bottom side.



**Step 28:** Attach the Bed Handles provided using the pre drilled holes in the two outer panels. Use the 1 3/8" machine screws provided.

