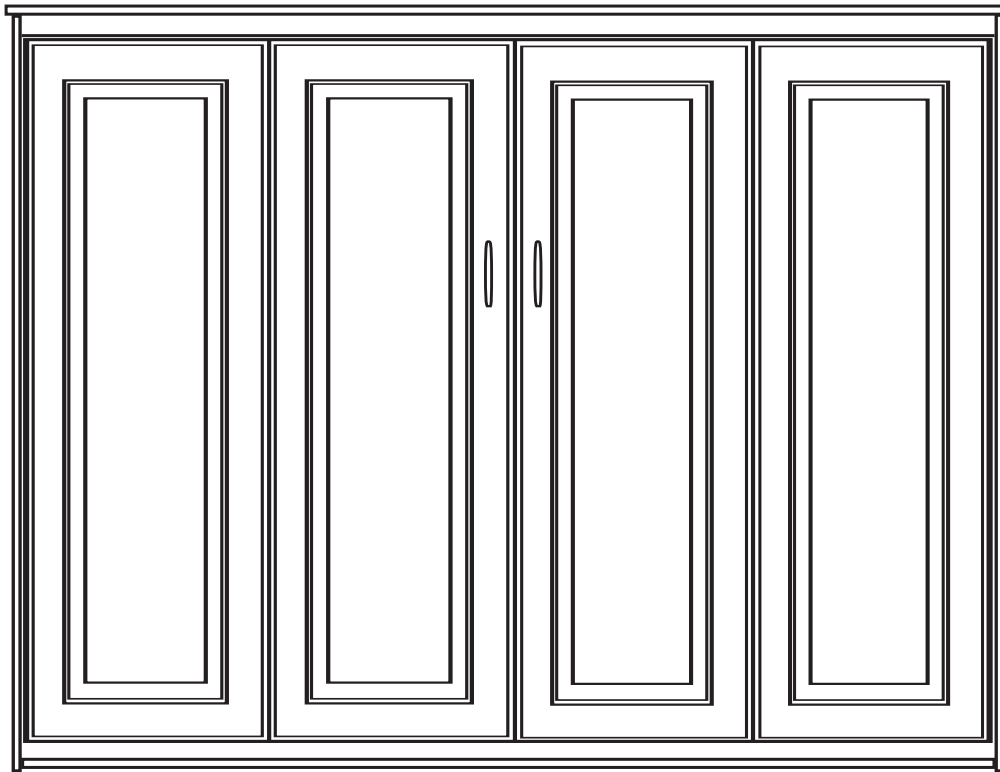


The logo features a stylized icon of a wallbed on the left, followed by the word "Wilding" in a large, serif font, and "Wallbeds" in a larger, bold serif font with a registered trademark symbol (®) to its upper right.

# Wilding Wallbeds®



## Side Mount

Model:  
Sierra

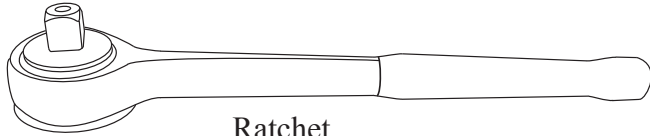
INSTRUCTION BOOKLET #32

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.

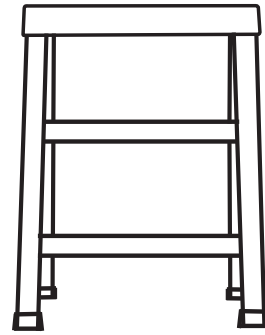
Revision 7/13 BK32



# Tools Needed



Ratchet



Step Ladder



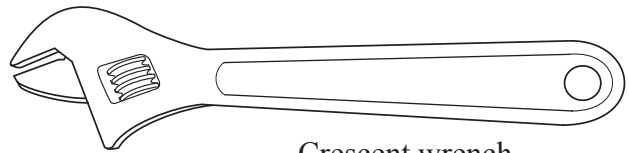
1/2" Socket



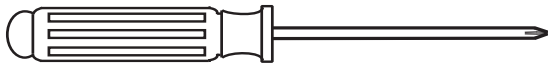
3/8" Socket



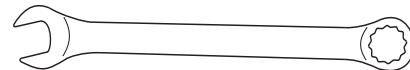
7/16" Socket



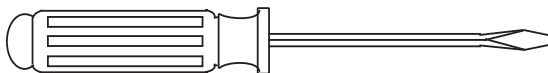
Crescent wrench



Phillips screwdriver



1/2" open end wrench



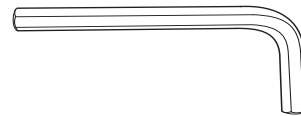
Large regular screwdriver



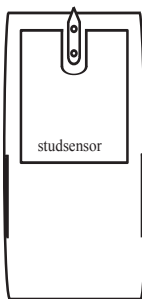
1/4" wood drill bit



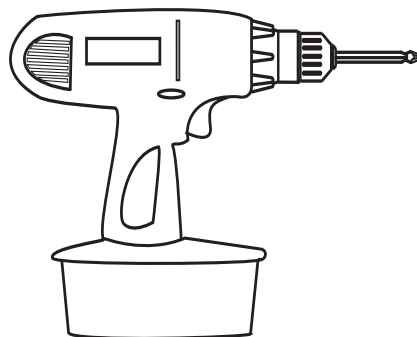
Small regular screwdriver



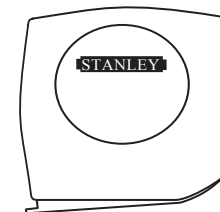
1/4" Allen wrench



Stud finder





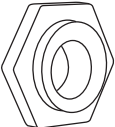

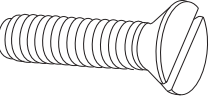
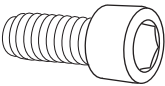
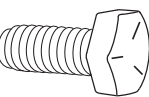

Cordless screw driver  
with Phillips bit




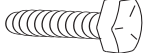



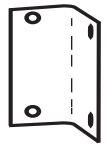

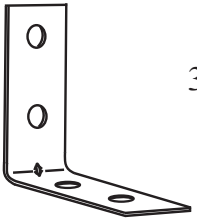
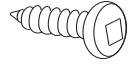
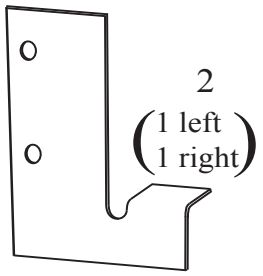

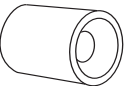

Tape measure

# Hardware Page

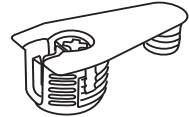




## Bag 7

Item	Qty
 5/16" Plain Hexagon Nut	10
 5/16" Nylock Hexagon Nut	6
 3/4" Cam Washer	2
 7/8" Washer	2
 5/16" x 1 1/4" Flat Head Bolt	10
 5/16" Allen Head Bolt	2
 5/16" x 3/4" Hex Head Bolt	4
 4 mm x 1/4" Flat Head Screw	4

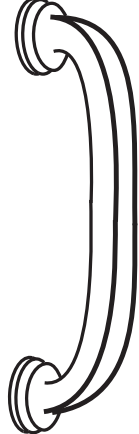
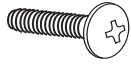
## Bag 8

Item	Qty	Item	Qty
 3/16" Nylock Hexagon Nut	16	 1/4" x 3/4" Hex Head Bolt	2
 3/16" Washer	2	 3/4" Flat head Screw	6
 3/16" x 1 1/4" Black Flathead Screw	2	 4 hole corner bracket	4
 1/4" Star Washer	2	 "L" Bracket	3
 5/8" Pan head Screw	135	 Spacer Plate	2 (1 left 1 right)
 3/16" x 1/2" Black Truss head screw	14	 Leg Stop	2
 2" Flathead Wood Screw	6		

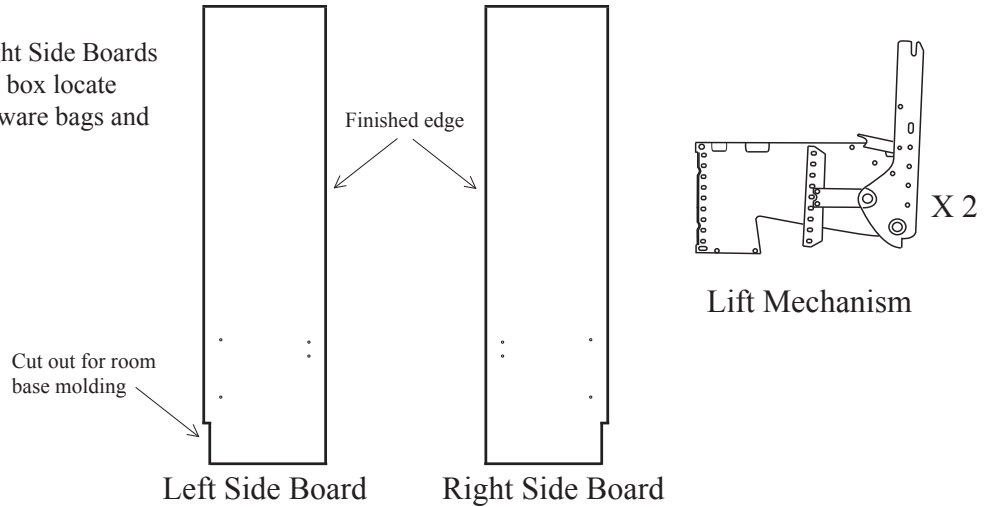
## Other Hardware

Item	Qty
 Cam Fitting	4
 Connecting Bolts	32
 1 1/4" Square Drive Wood Screw	160
 3 1/2" Wood Screw	3
 Square Tip Bit	1

## Bed Handles

	2
Bed Models: Sierra	
 1"	4

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



**Step 2:** 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	5
Full/Double	3
Twin/Single	1

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.

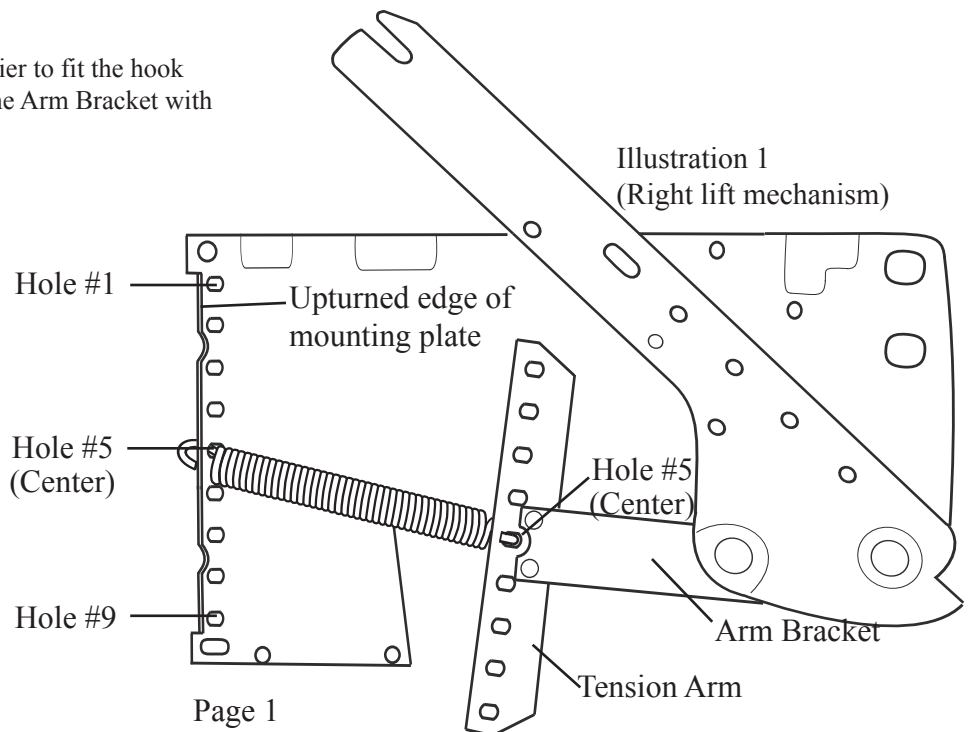
- Install the first spring in hole #5 (center position) on both the Mounting Plate and the Tension Arm. Hook one end of the spring under the upturned edge of the Mounting Plate. Lay the spring down and slide it under the matching hole in the Tension Arm. See illustration 1.

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.

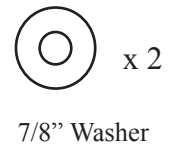
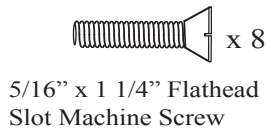
- Continue by working out from the center, alternating top and bottom, until you have installed the required number of springs.

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 for Left Lift Mechanism.



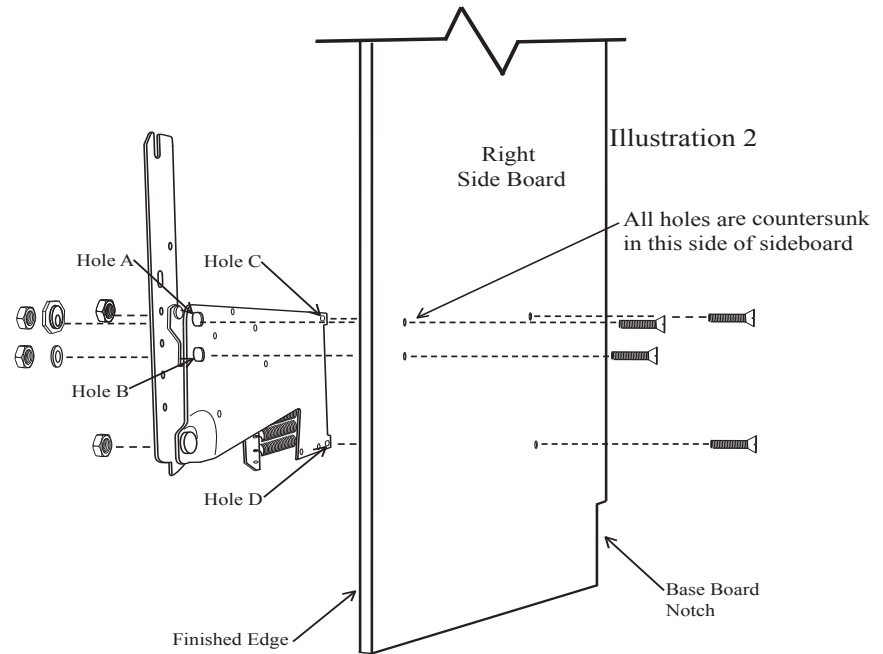
## Hardware needed for next 2 steps from Bag #7



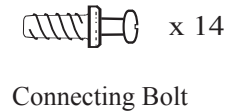
**Step 3:** Install the Lift Mechanism by inserting a 5/16" x 1 1/4" Flathead Machine Screw through holes "C" and "D" from the outside (countersunk holes) of the Right Side Board. Position the corresponding Right Lift Mechanism holes. Loosely thread on a 5/16" Plain Hex Nut on each. Insert the same type screw through holes "A" and "B". At hole "A" use one of the Hexagon Cam Washers in the slot of the mounting plate so that the LARGER PART OF THE CAM IS UP. At hole "B" use a 5/16" x 7/8" washer. Thread a nut on each. Tighten the four nuts evenly, making sure the hexagon cam washer does not rotate while tightening. See illustration 2.

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

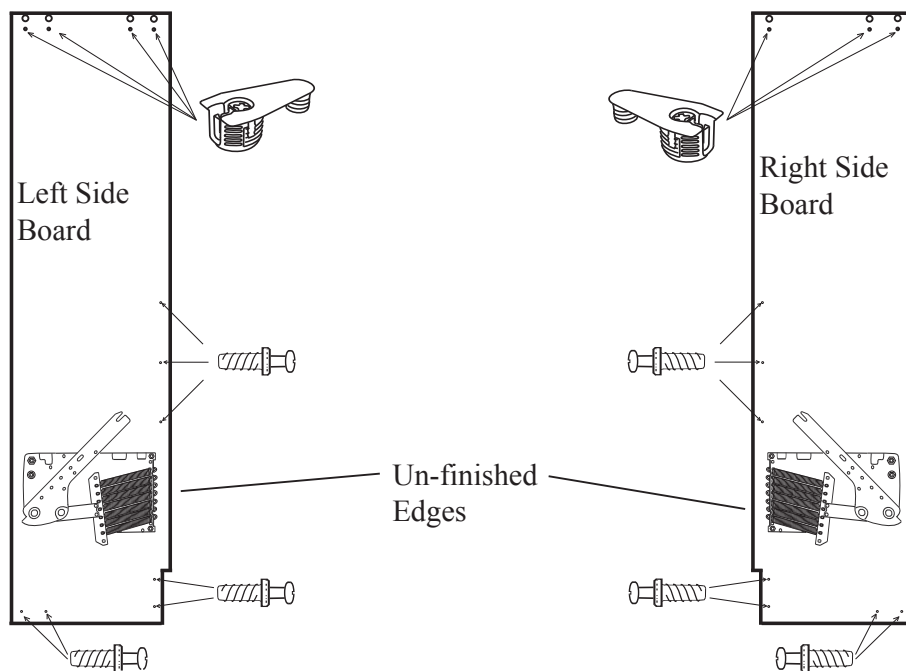
Repeat step 3 with the Left Side Board and Lifting Mechanism.



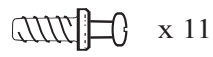
## Hardware needed for next step



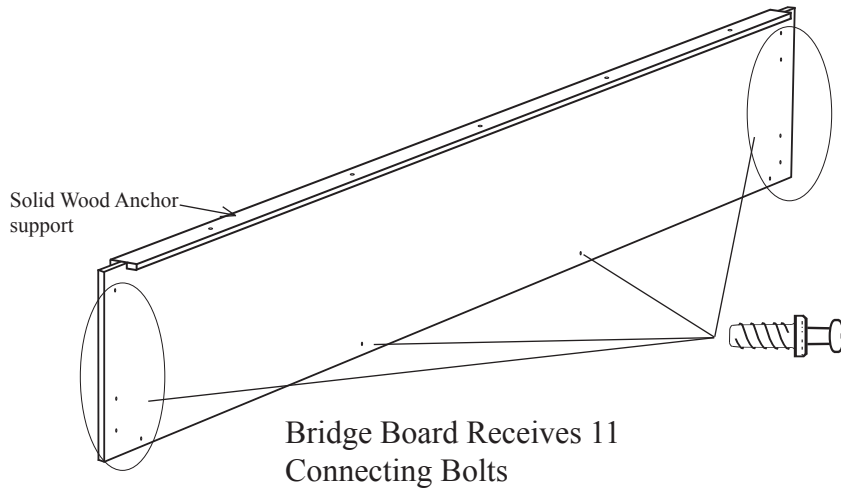
**Step 4:** Lay the right and left Side Boards down as illustrated and screw Connecting Bolts into the holes provided and place Cam Fittings into sockets provided as shown.



Hardware needed for next step



Connecting Bolt



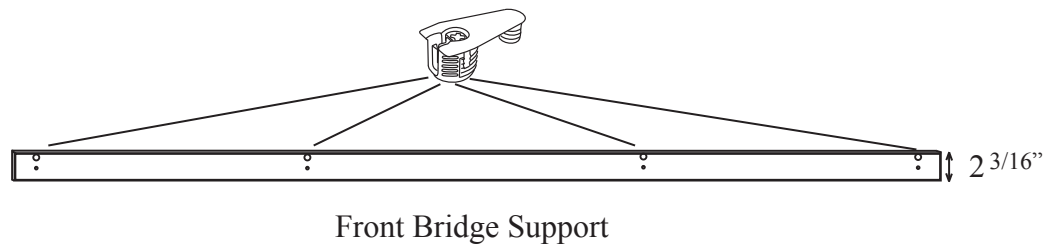
**Step 5:** Locate the Bridge Board and Insert 11 Connecting Bolts into the holes provided. Screw the bolts in until they tight against the bed part.

Hardware needed for next step



Cam Fitting

**Step 6:** Locate the Bridge Support and Insert 4 Cam Fittings.

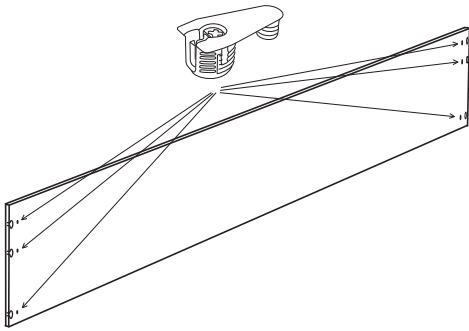


Head Boards have 2 options. Option 1 is Standard depth and Option 2 is Extra depth. Determine which Wallbed you have and then proceed with the correct option below.

### OPTION 1

#### STANDARD DEPTH HEAD BOARD

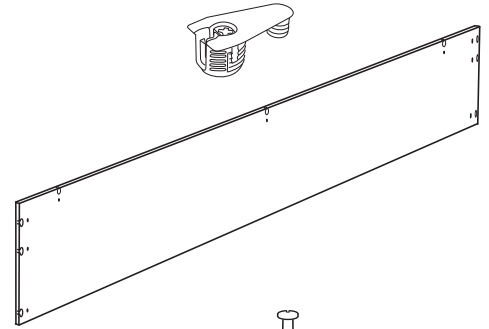
Insert 6 Cam Fittings in the back of the Head Board



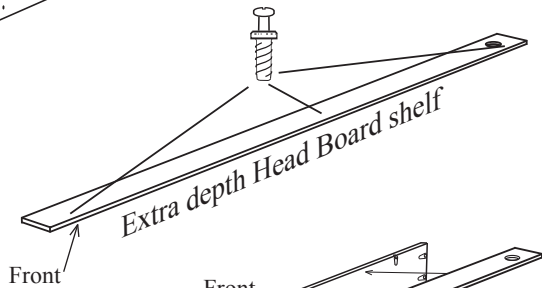
### OPTION 2

#### EXTRA DEPTH HEAD BOARD

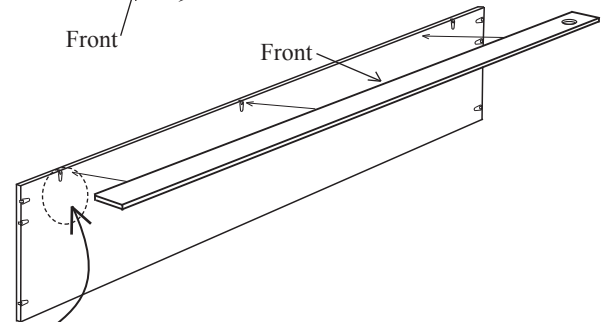
Insert 9 Cam Fittings in the back of the extra deep Head Board



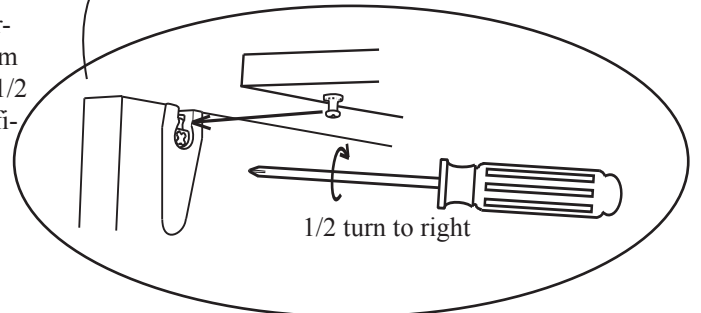
Insert 3 Connecting Bolts in the bottom of the Head Board Shelf.



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.



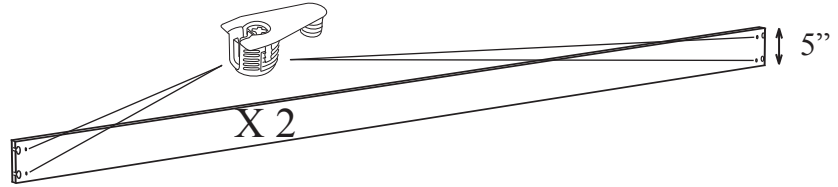


## Hardware needed for next step



Cam Fitting

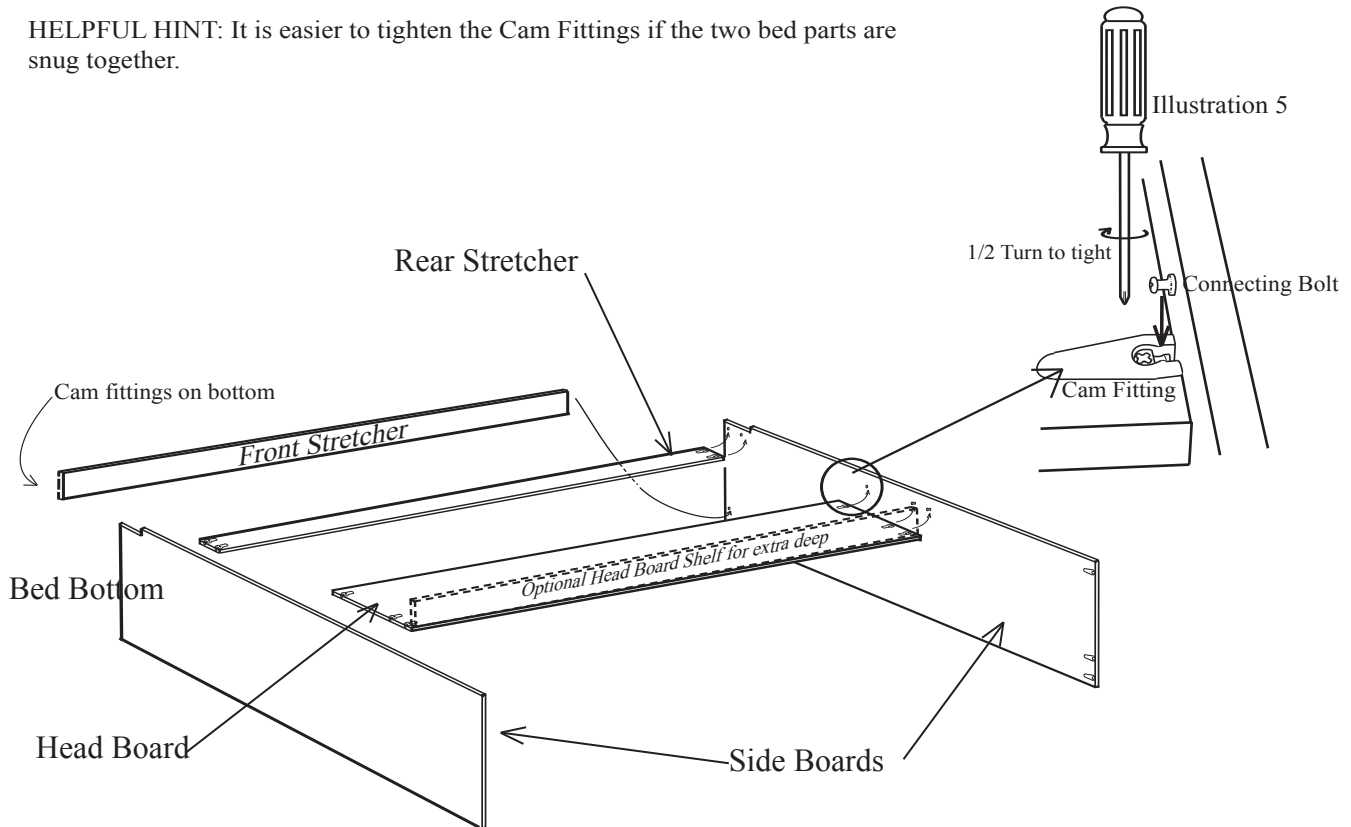
**Step 7:** Locate the 2 Stretcher Boards (same size) and insert four Cam Fittings into the back of each Stretcher.



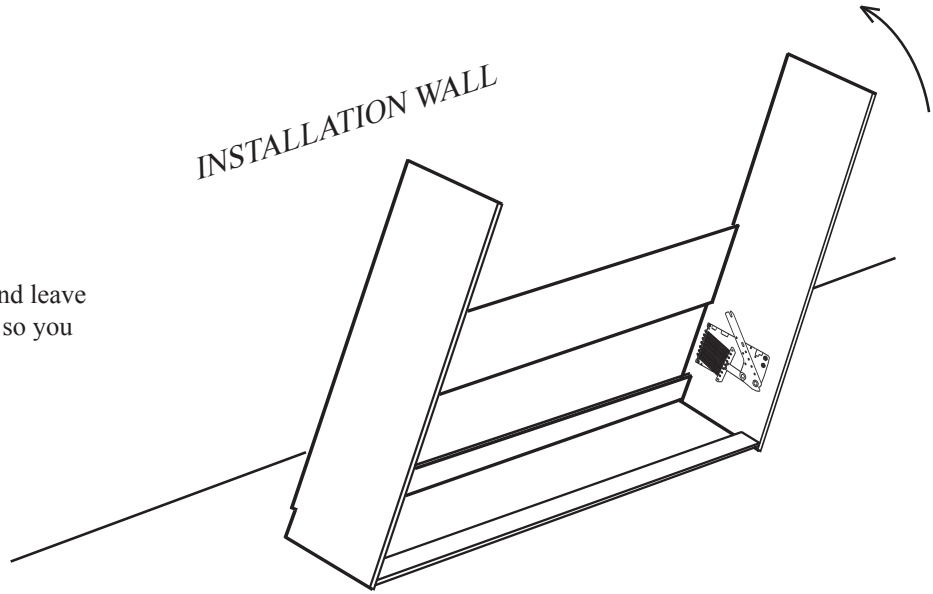
**Step 8:** Assemble the Bed Cabinet face down with the bottom of the bed nearer the wall to which it will be installed. Note the "Front Stretcher" (illustrated below) should be positioned so the Cam Fittings are at the bottom of the bed.

**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.

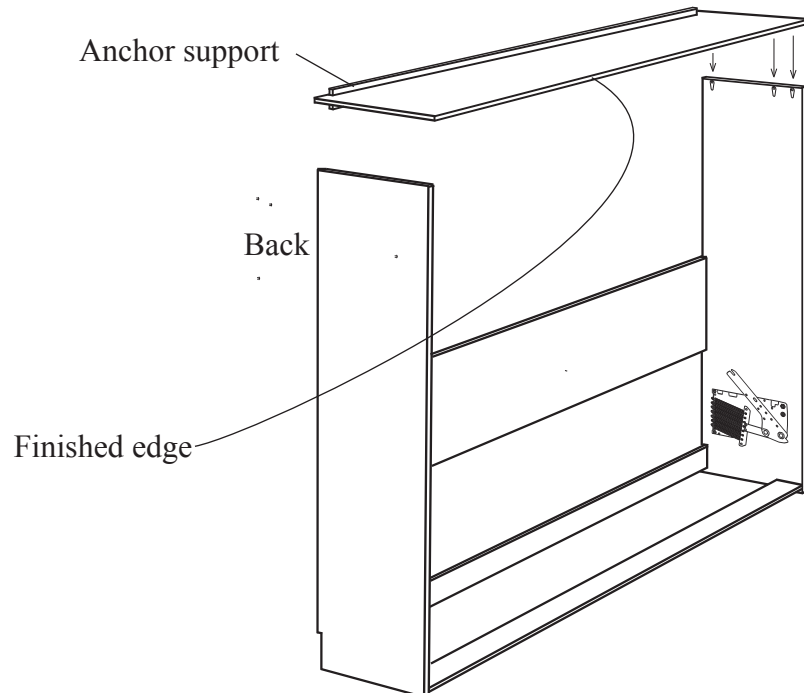


Step 9: Stand the bed cabinet up and leave 2 feet between cabinet and the wall so you have space to work behind the bed

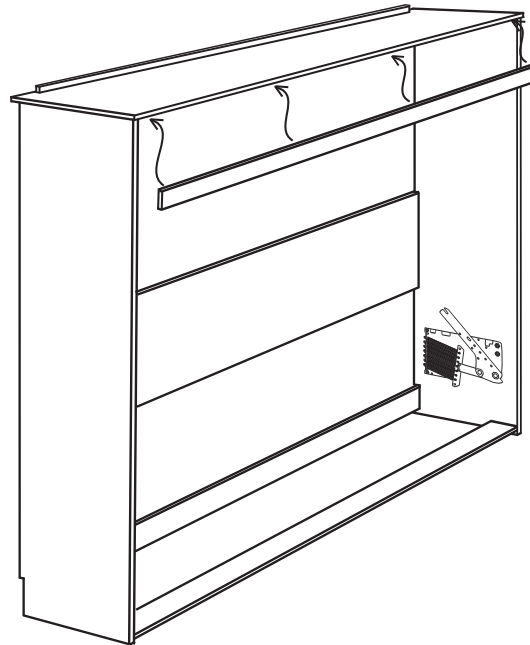


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Step 10: Position the Bridge Board as illustrated below. Place it on to the Side Boards and tighten all Cam Fittings.

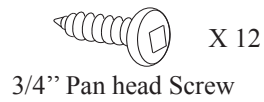


**Step 11:** Locate the Front Bridge Support and insert it between the Side Boards and on to the Connecting bolts. Tighten all Cam Fittings.

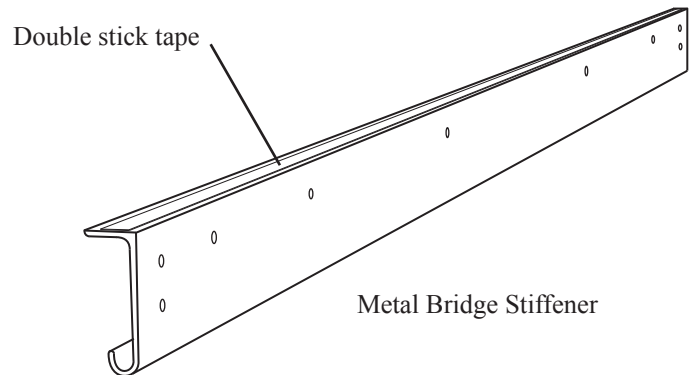


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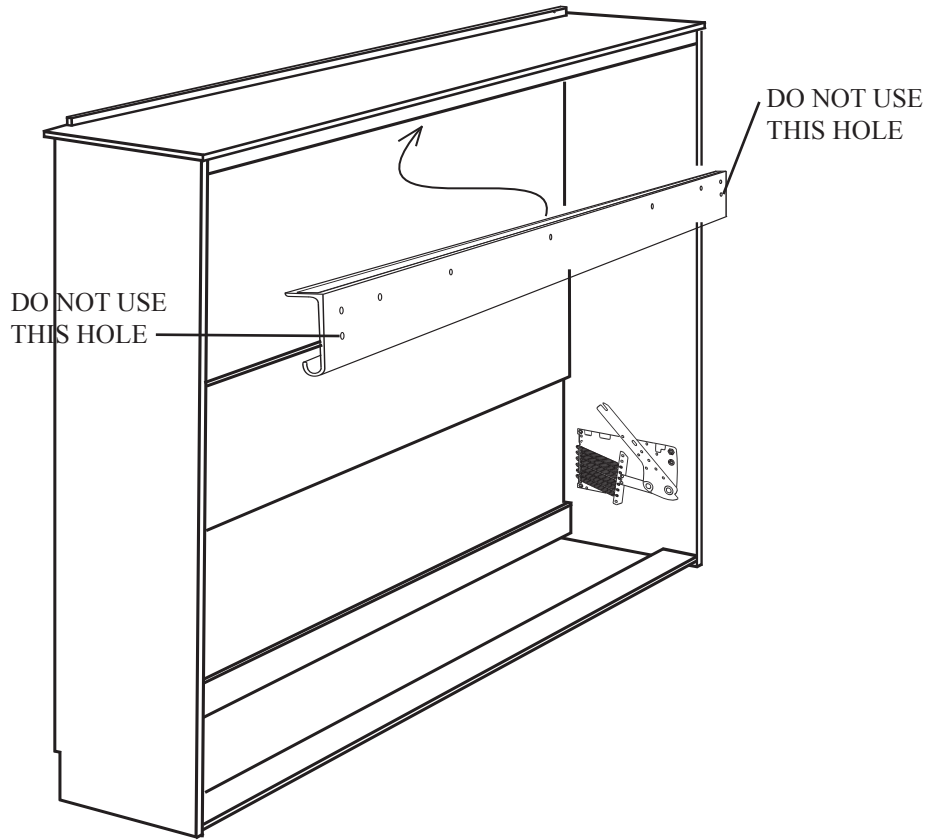
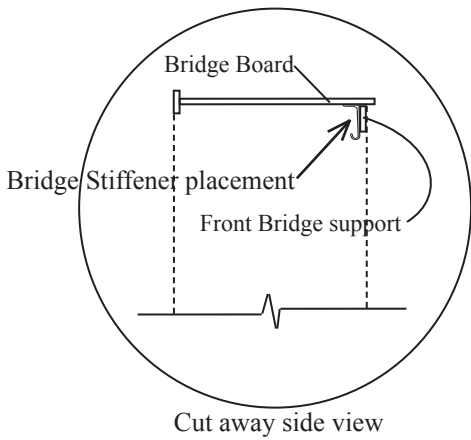
### Part and hardware needed for next step



Locate the metal Bridge Stiffener from the long white cardboard box. There are several (5) parts that look the same as the Stiffener you will identify it from the others by a length of double stick tape across the top edge.



**Step 12:** Remove the double stick tape cover and pass the Bridge Stiffener between the Side Boards and up behind the Front Bridge Support. The double stick tape should stick to the bottom of the Bridge Board. Anchor the Stiffener to the Front Bridge support and the Bridge board using 3/4" screws through holes in the Stiffener. DO NOT use the lower holes on either end of the Stiffener as illustrated.



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

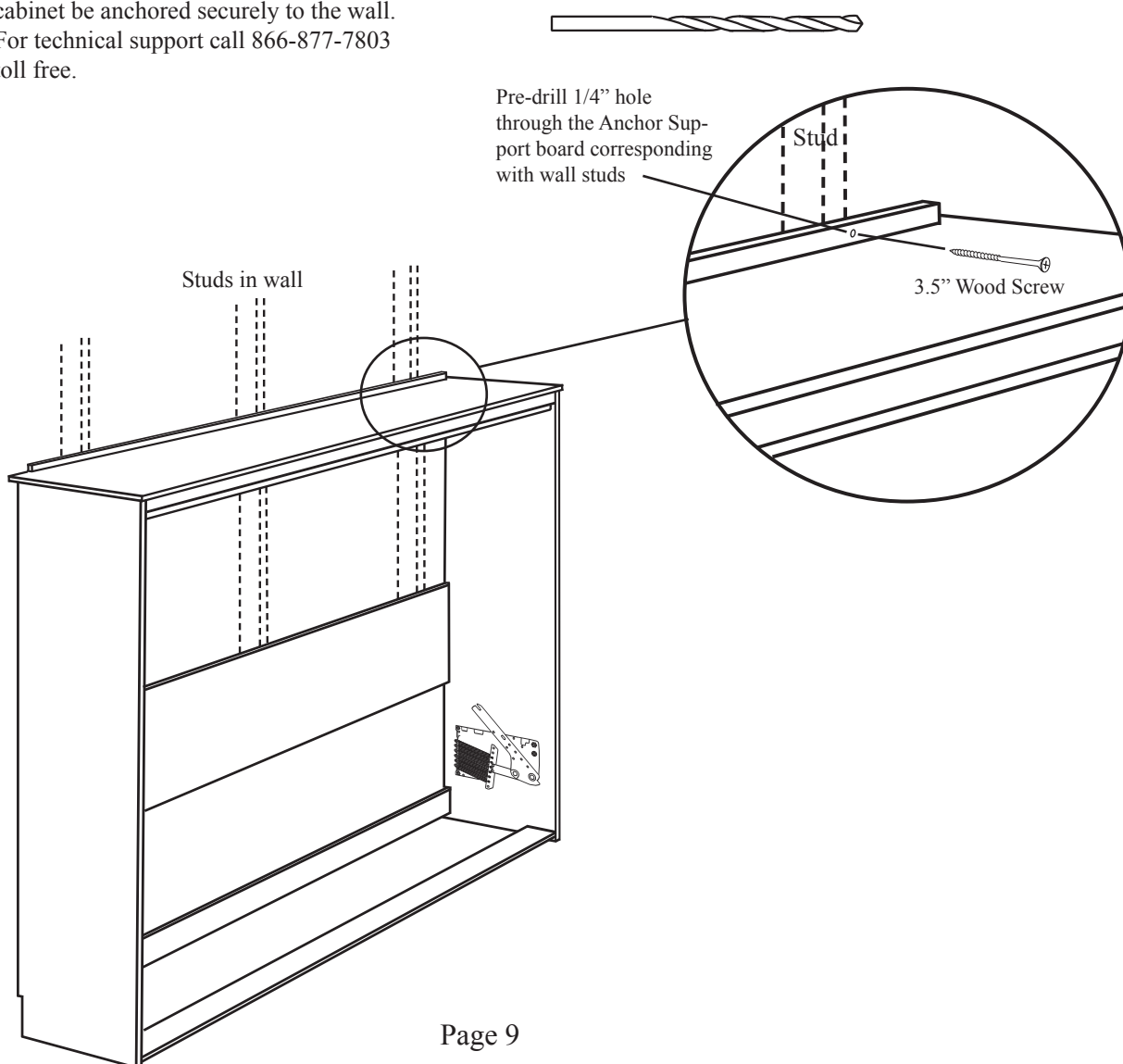
IF YOUR WALLS ARE NOT TRADITIONAL WOOD FRAMING, YOU MAY NEED TO HIRE A HANDY MAN OR CONTRACTOR TO HELP IN ANCHORING THE BED TO YOUR WALL. FAILURE TO PROPERLY ANCHOR CABINET COULD CAUSE SEVERE PERSONAL INJURY. CALL TECHNICAL SUPPORT AT 866-725-6401 IF YOU HAVE ANY QUESTIONS.

Hardware needed for next step



Step: 13: 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 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.

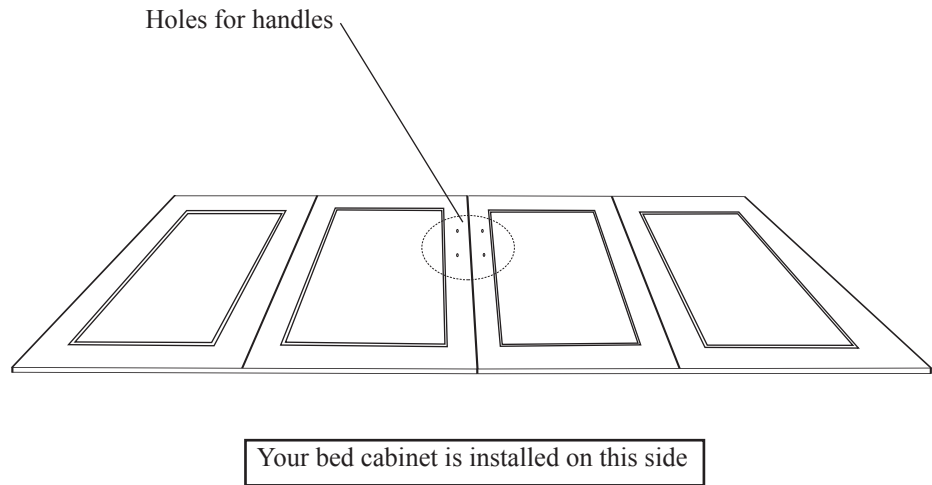
**IMPORTANT!** Bed cabinet requires 3 studs, It is VERY important that the bed cabinet be anchored securely to the wall. For technical support call 866-877-7803 toll free.



Important note: It is critical to orient the bed face panels and bed 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 cabinet against in the previous step. There is a note under each of the renderings indicating “your bed cabinet is installed on this side” which indicates that is where the bed cabinet is in relation to the face panels and rails.

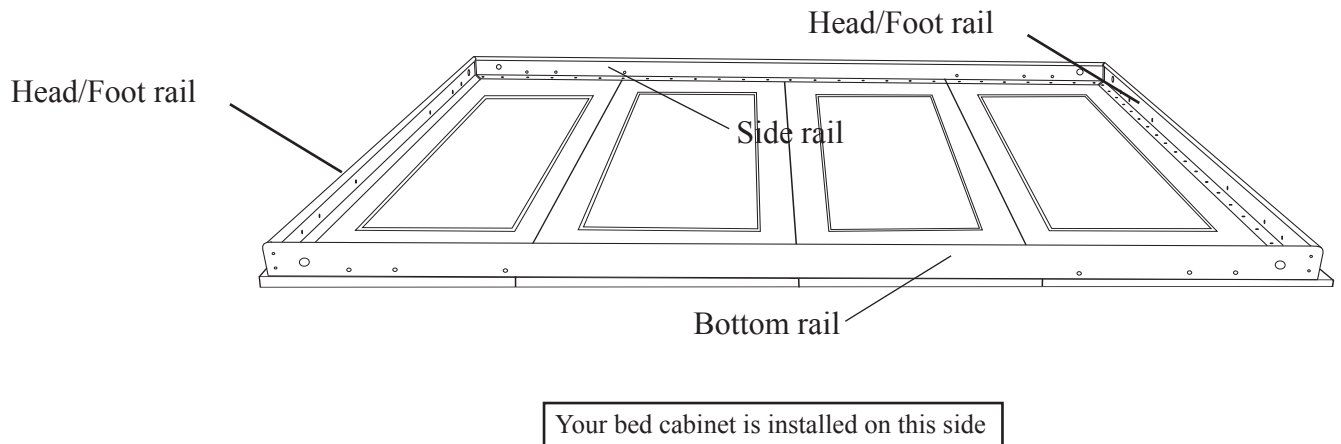
**Step 14:** Locate the Front Panel(s) and lay them on the floor face down (finished side). Position them in front of where the Bed Cabinet was installed and leave enough room to work around them.

HELPFUL HINT: Two of the panels have holes drilled for handles. Those panels should be the middle two panels with the holes next to each other and away from the bed cabinet installed on your wall.

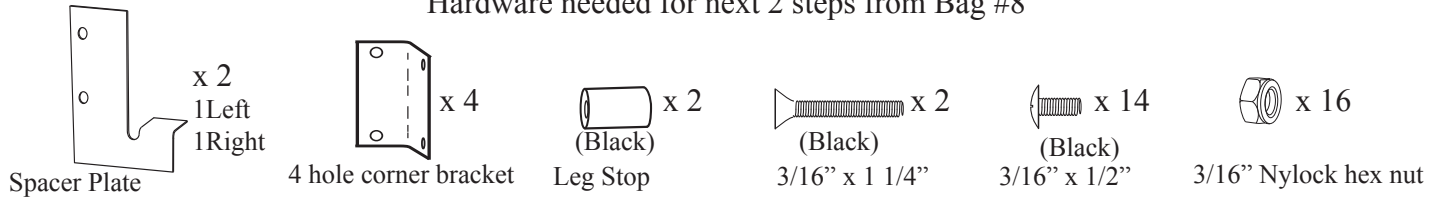


**Step 15:** Arrange the mattress rails on the face panels as shown. Rails are in the long white card board box.

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

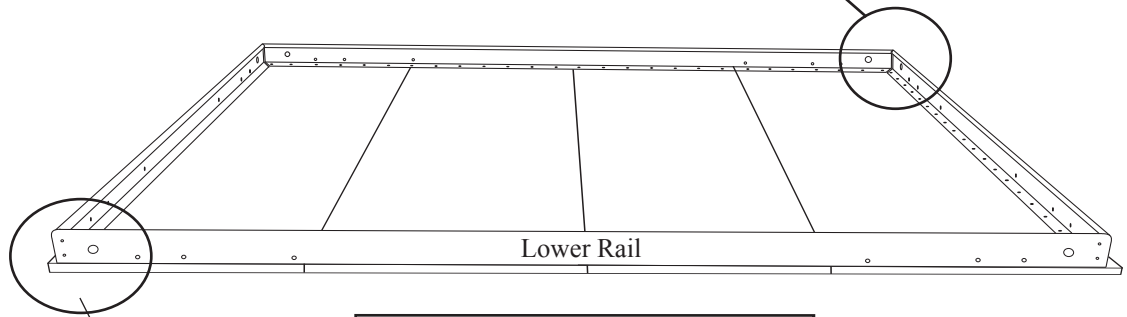
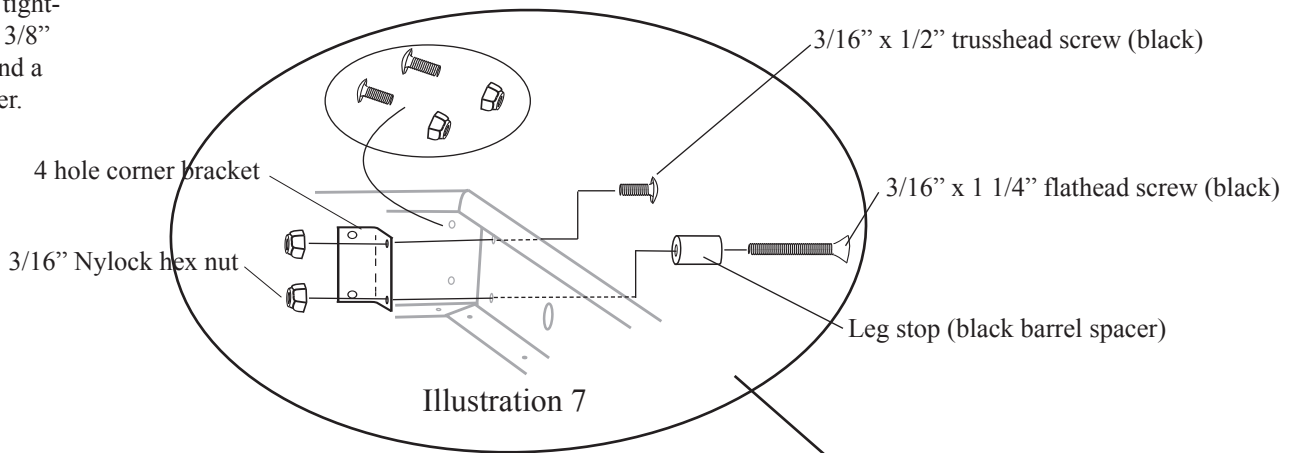


Hardware needed for next 2 steps from Bag #8



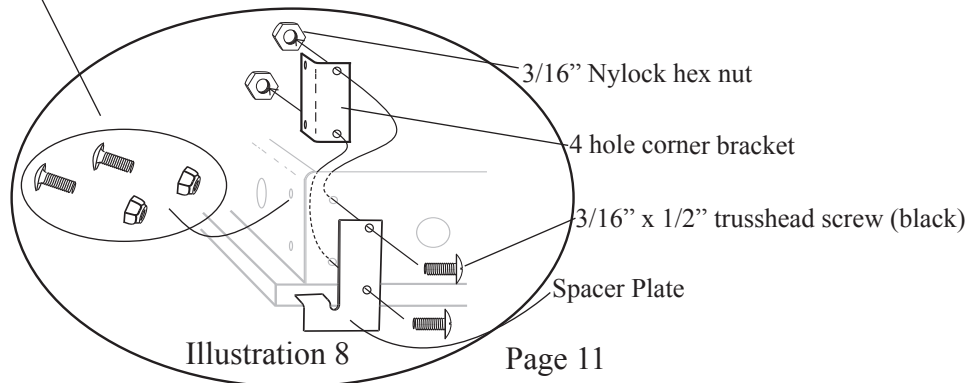
**Step 16:** From hardware bag 8 locate the hardware shown above. Finger tighten the hardware as shown in illustration 7 attaching two of the 4 hole corner brackets on the Head/Foot rail end of the mattress frame. Note the lower hole on each side rail uses the Leg Stop with the longer screw (3/16" x 1 1/4"). Repeat on the opposite foot rail corner.

**Step 17:** Once all sides are finger tight go back to each corner and align the corners as they are tightened using either a 3/8" socket or wrench and a Phillips screw driver.

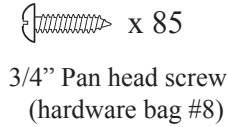
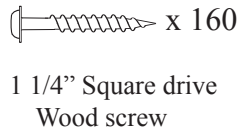
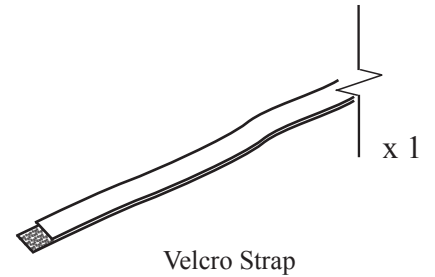
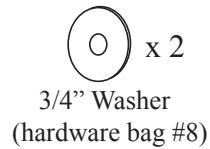
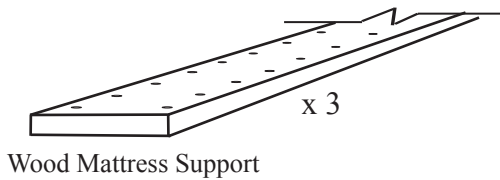


Your bed Cabinet installed on this side

**Step 18:** Finger tighten the hardware as shown in illustration 8 attaching the 4 hole corner brackets on the inside of the rails and the Spacer Plate is attached on the outside. Repeat opposite Lower Rail corner.



## Hardware and parts needed for next steps



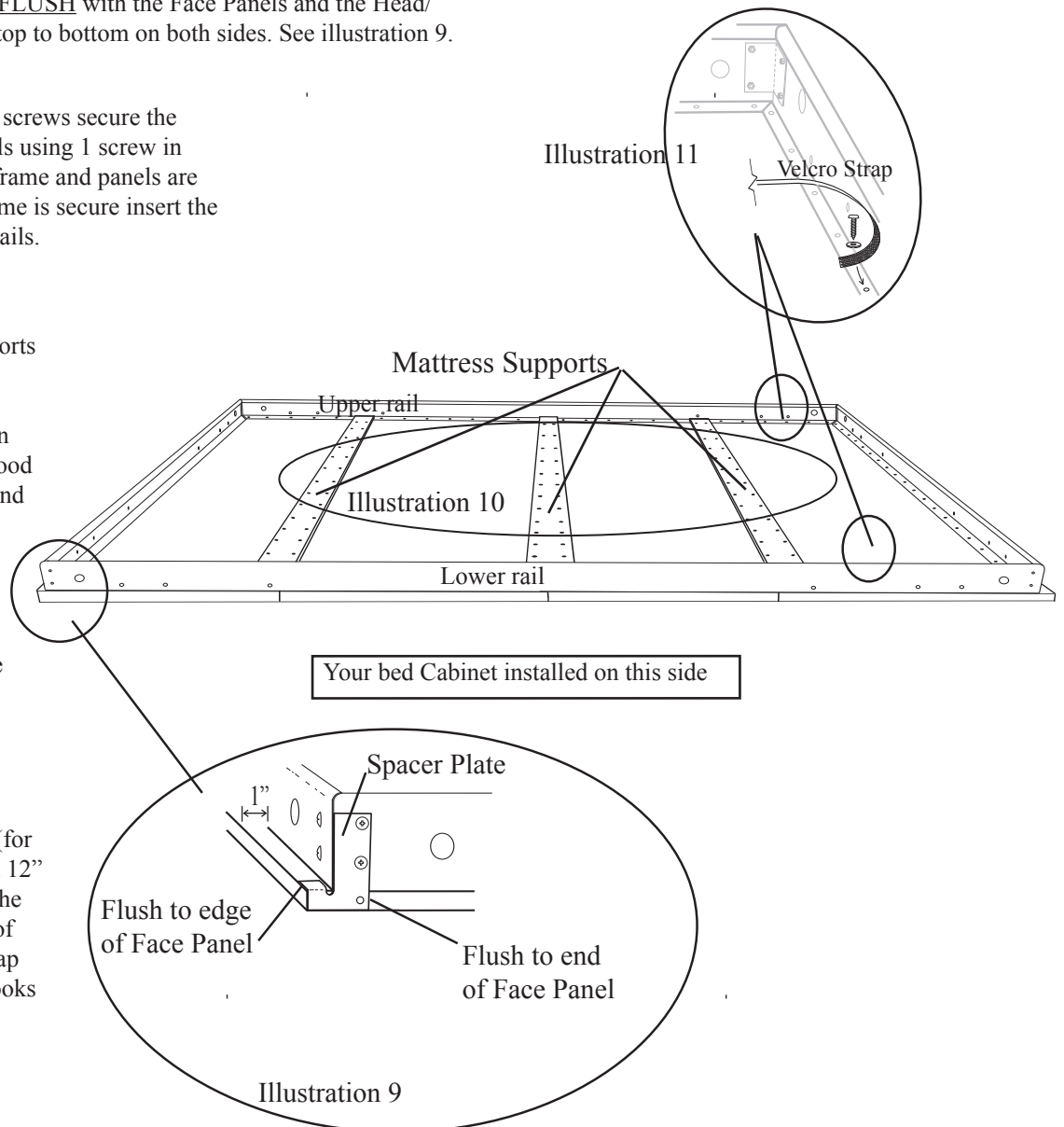
**Step 19:** Using the Spacer Plates (illustration 9) as a reference on either end of the lower Bed Frame rail, align the Rail and the wood Face Panels. For proper alignment the lower rail should be FLUSH with the Face Panels and the Head/Foot Rails should have a 1" offset top to bottom on both sides. See illustration 9.

**Step 20:** Using the 3/4" pan head screws secure the Bed Frame (rails) to the Face Panels using 1 screw in each corner first ensuring that the frame and panels are square to each other. Once the Frame is secure insert the balance of the screws around the Rails.

**Step 21:** Place the Mattress Supports evenly over the face panel seams allowing their ends to over lap the Upper and Lower Rails (illustration 10). Use the 1 1/4" square drive wood screws in the holes provided to mend the face panels together. **DO NOT STRIP SCREWS.**

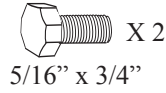
Helpful hint: One of the Mattress Supports may have an area cut out to allow for the bed handle holes.

**Step 22:** Attach the Velcro Straps (for holding the mattress in place) about 12" from the Side Rail 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

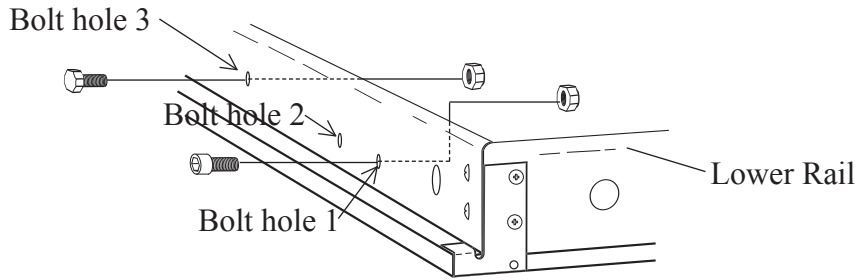




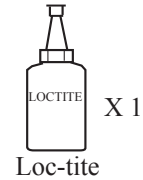
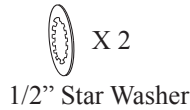
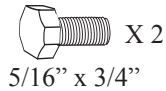
Hardware needed for next step from hardware bag #7



**Step 23:** 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.

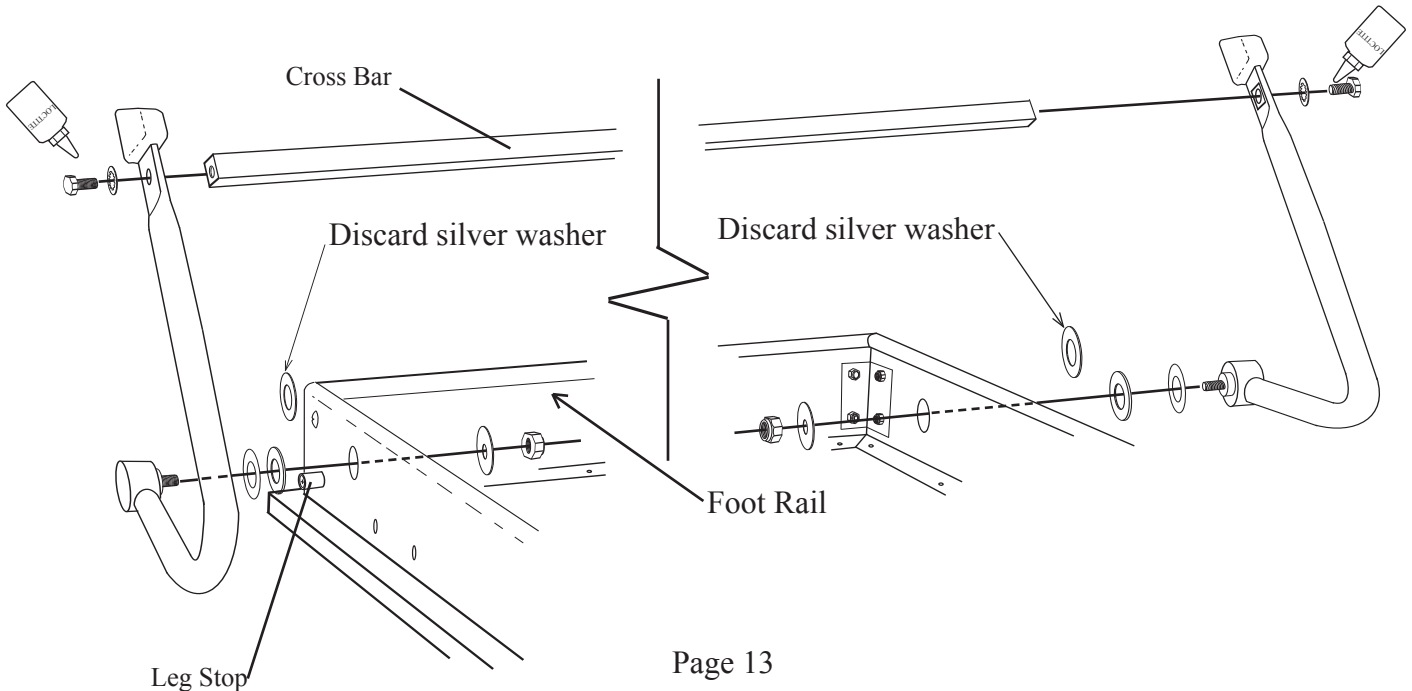


Hardware needed for next step from hardware bag #8



**Step 24:** Assemble Legs by first removing the nut and the first TWO washers that come pre-installed on the Leg. Leave the washer with a black edge and the thin plastic washer in place on the leg. Insert the Leg Bolt with the first two washers through the Head/Foot Rails. DISCARD the thick silver washer then place the black washer and the nut back on the Leg Bolt and tighten.

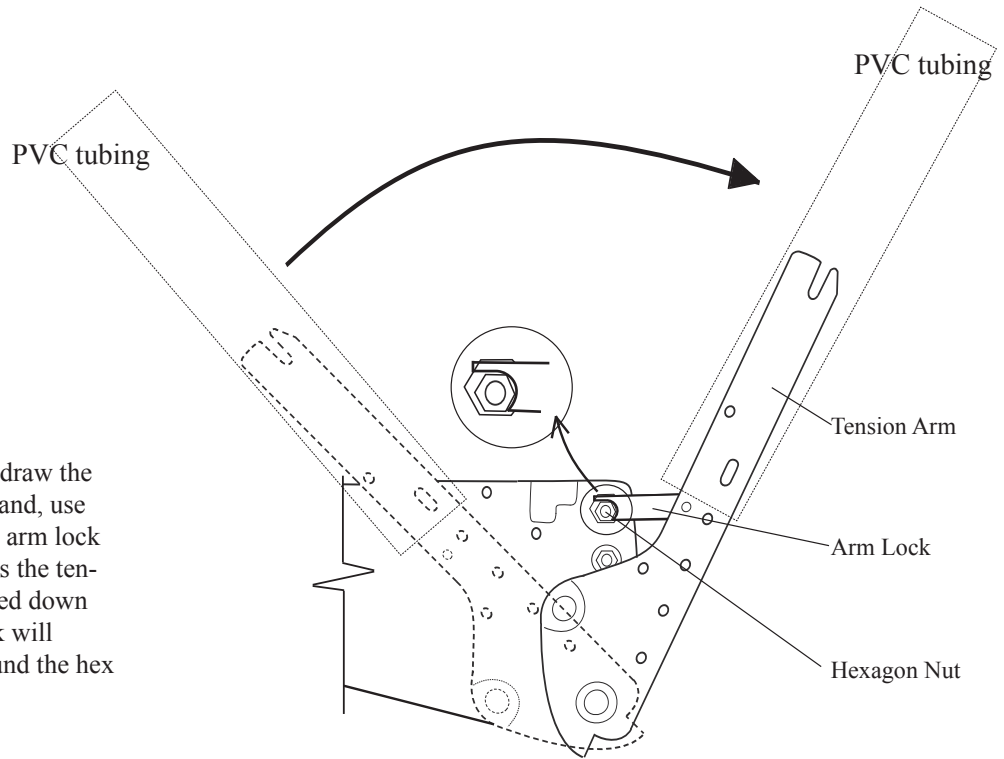
**Step 25:** Position the Cross Bar between the Legs. Place 1/2" Star washer on one of the 5/16 X 3/4" Hex Head bolts apply 2 drops of Loc-tite and thread the bolt through the Leg and into the Cross Bar and tighten. Repeat on other side.



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.

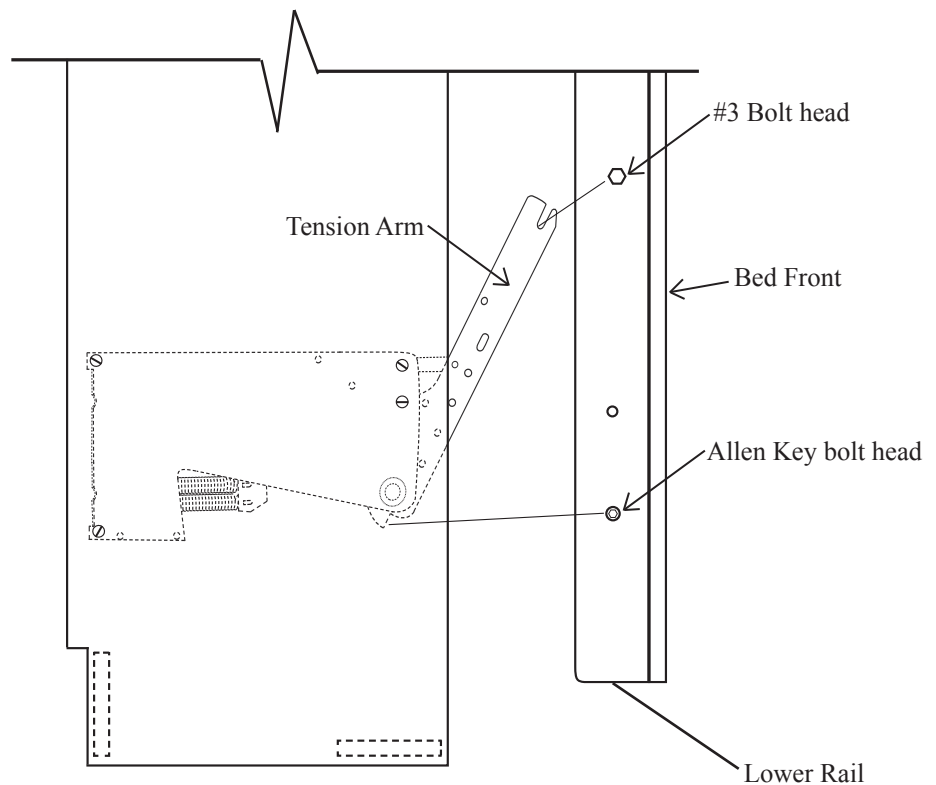
**Step 26:** Brace one foot against the front edge of the side board and using the 13" length of PVC tubing provided, lever the lift mechanism tension arm out and down until you can secure the arm lock to the hexagon nut shown at right. BE SURE THAT THE LOCK IS SECURED AGAINST THE HEX NUT BEFORE RELEASING 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.

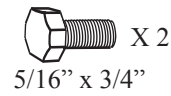
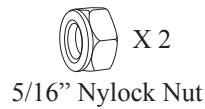


**IMPORTANT!** As instructed in step 23, Bolt #3 should be loose enough to slip into the notch at the end of the Tension Arm See illustration below.

**Step 27:** Stand the Bed face unit up on its Lower Rail. Now with you and your assistant on either side of the Bed unit lift until the # 3 bolt on the Bed face unit is a few inches above the slotted end of the Tension Arms 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.



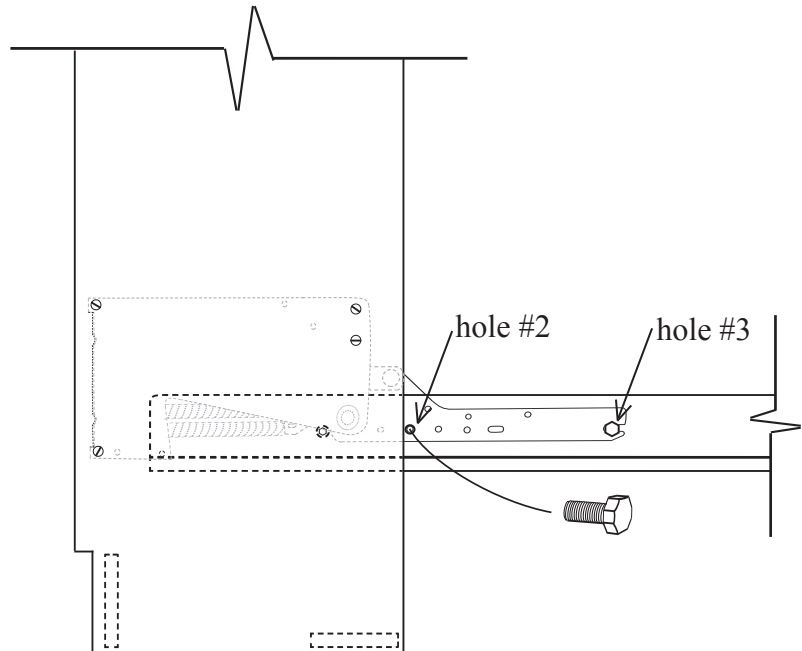
Hardware needed for next step from hardware bag #7



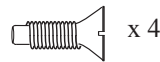
**Step 28:** Insert a 5/16" X 3/4" Hex bolt through hole #2 and tighten a 5/16" Nylock nut onto the bolt. Now tighten the nut and bolt in hole #3.

Repeat step 28 on the other side of the bed unit.

**WARNING!** Failure to insert and tighten all the bolts in step 28 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.



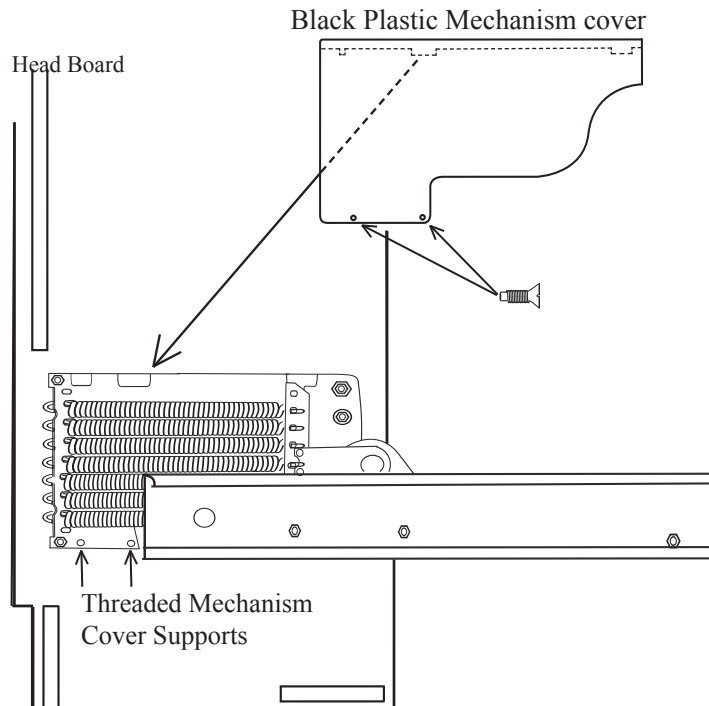
Hardware needed for next step from hardware bag #7



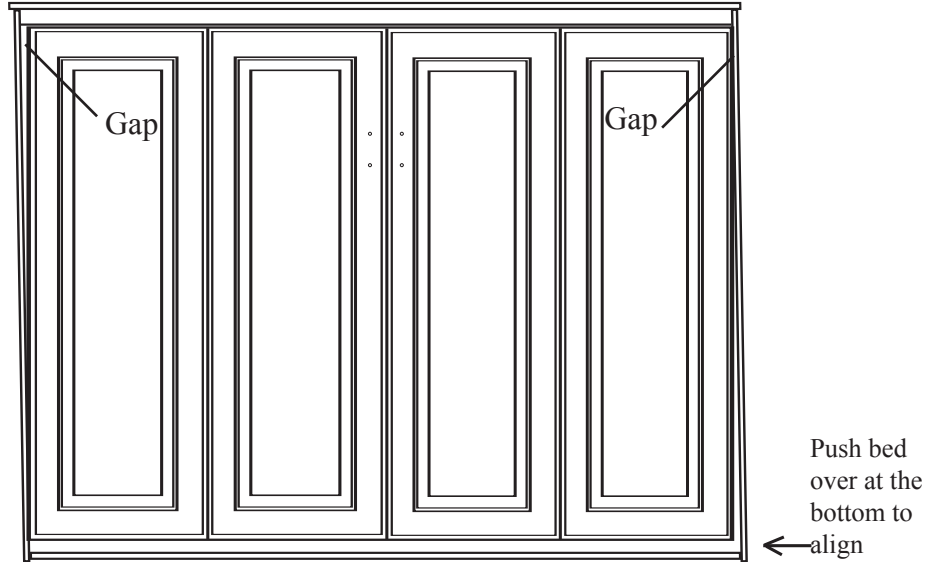
4mm x 1/4" Flathead Slot Machine screw

**Step 29:** Slip the Mechanism Cover over the Mechanism so that the tabs on the cover fit into the notches provided. Line up the holes with the threaded supports and insert two 4mm Flathead screws.

Repeat step 29 on the other Mechanism.



**Step 30:** 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 Box 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 to be moved slightly to the left or right depending on which top corner is too close. If the bed 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 31:** Attach the Bed Handles provided using the pre drilled holes in the two center panels

