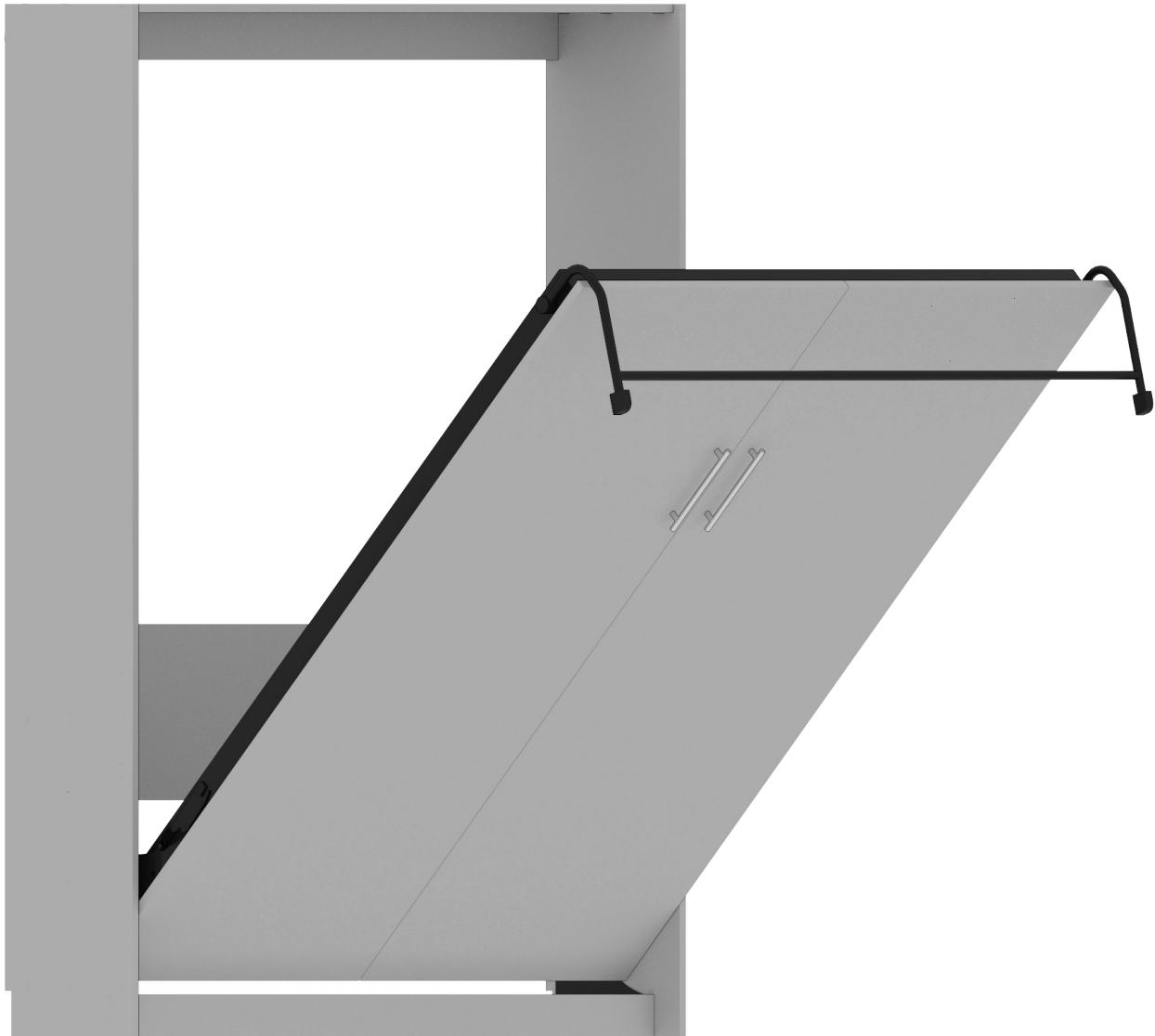


# BREDA BEDS MURPHY BED

INCLUDING URBAN AND METROPOLITAN COLLECTION MURPHY BEDS

Assembly Instructions / Parts List / Troubleshooting / FAQ / Tips / Warranty



3318 West Nelis Drive  
Meridian, ID 83646

Web: <https://bredabeds.com>  
Email: [service@bredabeds.com](mailto:service@bredabeds.com)  
Telephone: 1-855-466-4781

**REVISION: B2|3.8**  
**MB**  
**AUGUST 2021**

# THANK YOU!



Thank you for your Murphy Bed purchase by BredaBeds! When you're ready to begin assembly, follow these instructions carefully and be sure not to skip any steps. If you have any trouble during the assembly process, feel free to contact us and one of our specialists will be happy to help guide you through the process. Once completed, we hope that your BredaBed will bring many years of enjoyment.

## OUR MISSION

BREDA, INC is a family owned and operated business. We sell space saving Murphy Beds that we design and manufacture here at our production facility in southwest Idaho. BREDA, INC advertises and sells these beds, primarily, to customers all over the United States.

## QUESTIONS?

If, at any point during assembly you have questions, feel free to contact us.

Call us toll free at: **1-855-466-4781**

Email us at: **service@bredabeds.com**

Or, use the live chat feature at **<https://bredabeds.com>** when available.

If it's after hours or during weekends, it's best to email us. When contacting us, have your order number ready. If emailing us, attach any relevant pictures.

[f https://www.facebook.com/BredaBeds](https://www.facebook.com/BredaBeds)

[t https://twitter.com/BredaBeds](https://twitter.com/BredaBeds)

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[p https://www.pinterest.com/BredaBeds](https://www.pinterest.com/BredaBeds)

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## WARRANTY POLICY

BredaBeds warranties all mechanical hardware for a period of ten (10) years, all wood parts on our products for a period of one (1) year to be free of material or workmanship defects and electronics (such as lights) for a period of ninety (90) days. Warranty periods begin from date of purchase. We will repair or replace at our discretion any defective parts within this period. This warranty is made assuming proper installation using the provided instructions. This warranty does not cover damage due to improper use, abuse, neglect, misunderstanding of operation or improper assembly. This warranty does not cover issues with springs or pistons. This warranty applies to the original purchaser and is non-transferable. In the unlikely event you have a warranty issue, please contact us by phone, email or using the live chat feature when available.

WE DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW. WE SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES. BUYER'S SOLE REMEDY SHALL BE LIMITED TO REPLACEMENT OF DAMAGED OR DEFECTIVE PARTS. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

## RETURN POLICY

We will accept returns on any item we sell within a 30 day period from time of receipt, less a 20% restocking fee. Return shipping and shipping charges are the responsibility of the customer as well as repackaging the product in a safe and acceptable manner. Once the returned product is received by us and inspected for damage, a credit will be issued for the amount of purchase less 20% and less the cost of any damage, if any. Credit will be applied back to the customer in the same form of payment made during the purchase of the product (for example, a credit refund or check) within 3 business days of receipt. Prior to returning any product, please contact us for a return authorization.

For more information on our policies, visit <https://bredabeds.com/policies.html> or click on "Warranty, Shipping & Returns" at the bottom of any page on our website.

# SAFETY WARNING

## READ THIS FIRST

Murphy Beds utilize a mechanism to counterbalance weight. The extreme tension of the spring mechanism can be hazardous when safety precautions within these instructions are not followed.

Pay special attention when you see any of these boxes:



**Additionally - Keep children and pets away from work area during assembly for their safety.**

Once proper assembly is completed, your BredaBed will provide many years of safe enjoyment.

# SAFETY WARNING

## READ THIS FIRST

# ASSEMBLY TIPS



## TWO PEOPLE RECOMMENDED

We recommend that two people assemble our products. Throughout these instructions you'll be tasked with moving parts, which can sometimes be heavy. Always take proper precautions when lifting heavy objects and use at least two people when necessary.



## ALLOW YOURSELF SUFFICIENT TIME

When you're ready to begin assembly, always give yourself sufficient time so that you won't be distracted during assembly. Assembly time can vary greatly from person-to-person as everyone has different skill levels using hand-tools. The normal time for assembling this product is between 3.5-7 hours, however your time may vary from this depending on how your bed is configured and external factors such as how level your floor is.



## VIDEO INSTRUCTIONS

Scan the QR Code above with a smartphone to view our Murphy Bed assembly video or visit:

[breda.us/video](https://breda.us/video)

This can also be found under **"Learn More" -> "Murphy Bed Assembly Instructions"** on our website. Use the links below the video to jump to specific chapters. Although the bed in this video may not be identical to yours, assembly is quite similar. The video instructions are meant to supplement these instructions, not as a replacement.

## UNPACKING YOUR BREDABED

When you first receive your BredaBed, it will be loaded on a pallet with banding. This banding can be cut carefully with a utility knife and the individual pieces can be carried to where the bed will be assembled. When handling panels, take special precaution to avoid scratching and chipping on the corners and side edges. If the bed won't be assembled for an extended period of time, store the panels flat on the ground on top of a soft surface, such as a rug or carpet. Usually, when parts or hardware are reported as missing, they are usually just misplaced and turn up later, so be sure to keep all hardware and boxes together. Inspect the panels for damage and take inventory using the "Parts List" on the following pages to verify you have everything. When you're ready to begin assembly, have all parts, hardware and tools in your work area. **Do not unpack hardware until instructed to do so. Additionally, keep children and pets away from work area during assembly for their safety.**

## FREQUENTLY ASKED QUESTIONS

### I'm missing parts/hardware not included with my bed.

If you suspect anything is missing, take inventory of the parts you do have using the part/hardware lists and note any other parts/hardware you may be missing. Often times, parts or hardware can get misplaced and will turn up later, so double check your work area and any other places it may be. If you still cannot find it, contact us and we'll be glad to send you more parts/hardware, be sure to have your order number ready and a list of all missing parts/hardware.

### I have damaged parts on my bed, what do I do?

As soon as you do find damage, send us an email at [service@bredabeds.com](mailto:service@bredabeds.com) with pictures of the damaged areas, part name(s) (found on the part label), provide your order number and any other additional information. We give remake parts a priority, and they can typically be sent to you within a few days after you notify us, but be sure to notify us immediately. Note: We provide a touch-up crayon, matching the color of your bed in hardware package #10 to fix minor chips on the edges of the panels.

### I'm finished with assembly, but I have extra parts leftover.

This is normal, we provide extra hardware with each bed model as a convenience. Once assembled, you can discard this additional hardware.

### Why don't the illustrations match my parts?

The illustrations in the booklet match a Queen size. If your bed is different than this, the illustrations may be slightly different, however installation is identical. In addition to this, sometimes elements in the illustrations are not shown for clarity.

### What is the maximum mattress thickness I can use?

Our beds are designed for U.S. mattress sizes up to 11" thick.



# TROUBLESHOOTING

## **The bed doors hit the Toe Kick when opened.**

The steel frame must be 1/2" back from the Mechanism End. See Chapter 4, Step 3.

## **The bed doors do not hit the top shelf and fall inside of the Bed Cabinet.**

- The steel frame must be 1/2" back from the Mech End. See Chapter 4, Step 3.
- Verify the bolts in Hole #2 (10 1/2" from frame end) and Hole #3 (19 1/4" from frame end) are inserted and securely tightened. See Chapter 5, Step 4.

## **The legs slip out from under the bed or have pulled out from the round leg disks.**

The way the legs are shaped prevent the legs from slipping out from under the bed without first raising up on the Bed Face Panel. If your legs are slipping out, it's usually one of the following issues:

- When opening the bed, be sure both legs are extended all the way down.
- Check that the leg stop cylinder is in the bottom hole (see Chapter 4, Step 2) and that the leg rod has been installed (see Chapter 6, Step 3).
- If the legs hit against the bed doors instead of the cylinder, verify the frame is 1/2" back from the Mechanism End (see Chapter 4, Step 3).

## **The Bed Face Panel is not even side-to-side or the legs hit left/right side.**

The Bed Cabinet bottom needs to be moved left or right. See Chapter 7, Step 1.

## **The bed doesn't stay closed/open.**

The mattress and bedding should be in place to determine the proper spring tension. See Chapter 7, Step 2 for spring adjustment. If the bed won't close all the way, make sure your mattress/bedding is no more than 11" thick.

## **I don't have wood studs in my wall to attach the Bed Cabinet to.**

The instructions in this booklet are for attaching a bed to wood wall studs. If your wall backing varies from this visit: <https://breda.us/walls> for guidance,

## **The Bed Cabinet hits my baseboard.**

If the notch wasn't customized during ordering, you can notch the wood panels with a saw. Alternatively, you can remove or notch the baseboard.

## **I have 3 or less stud locations to attach the Bed Cabinet to.**

If you have 3 studs, stack the screws in the Top Nailer so each stud has 2 screws separated by at least an inch of vertical spacing. **If you have less than 3 studs, contact us to discuss attachment.**

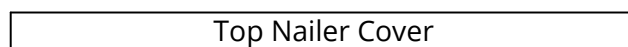
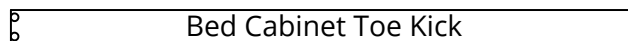
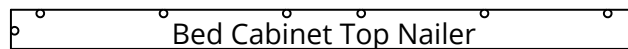
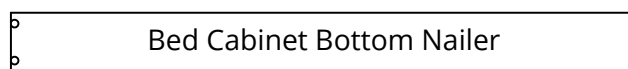
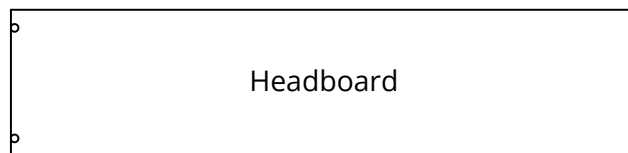
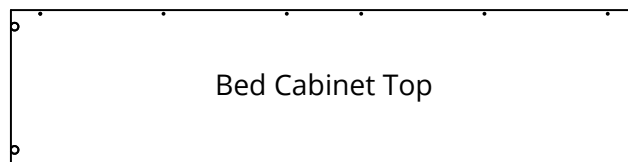
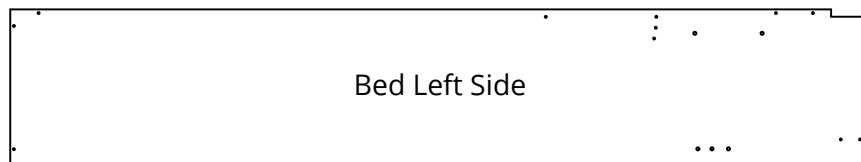
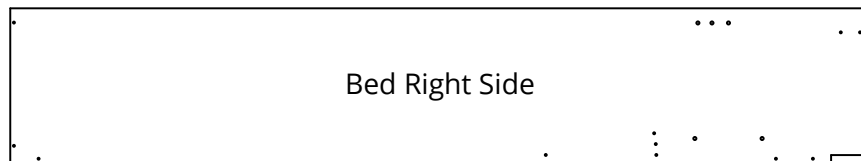
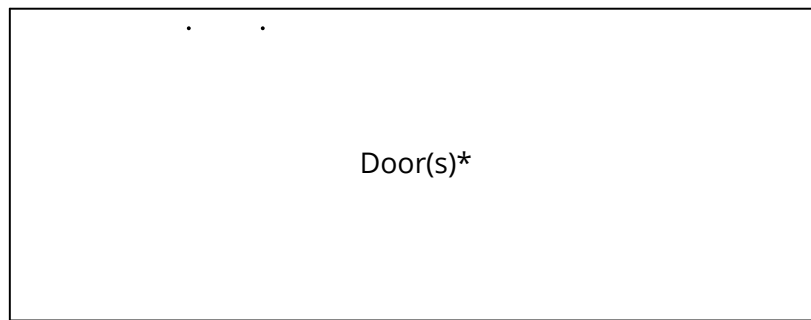
## **Metropolitan Beds: The screws are poking through the thin areas on the doors.**

Metropolitan beds have a recessed area on the doors. This area is marked as a screw-free zone in Chapter 4. Contact BredaBeds to discuss replacement options.

# PARTS LIST: PANELS

## Bed Cabinet Panel List

<input type="checkbox"/> Door(s)*	<input type="checkbox"/> Headboard
<input type="checkbox"/> Bed Right Side	<input type="checkbox"/> Bed Cabinet Bottom Nailer
<input type="checkbox"/> Bed Left Side	<input type="checkbox"/> Bed Cabinet Top Nailer & Top Nailer Cover
<input type="checkbox"/> Bed Cabinet Top	<input type="checkbox"/> Bed Cabinet Toe Kick



\*Twin/Twin-XL size beds have 1 door. Full, Queen & King size beds have 2 doors.



# HARDWARE PACKAGES

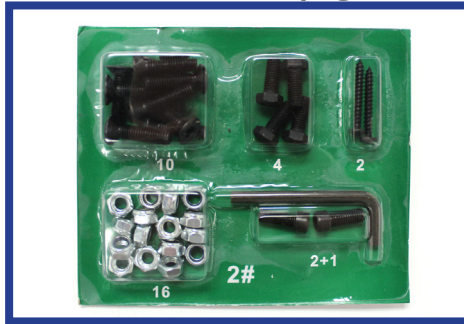
You will have 3 boxes of hardware, the following images are color-coded for each box:

- **Orange** outline: Hardware can be found inside the small white or brown box.
- **Grey** outline: Hardware can be found inside the long "Panel Bed Steel Frame" box.
- **Blue** outline: Hardware can be found inside the box "SBLM".

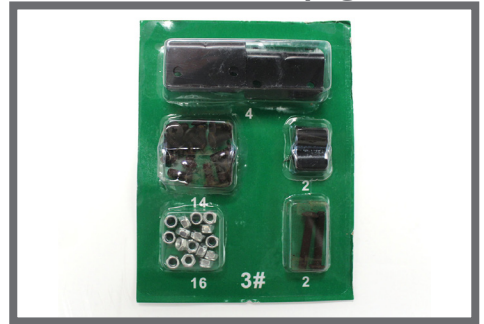
**Package #1**  
Cam Screws  
[breda.us/B2/pkg1](http://breda.us/B2/pkg1)



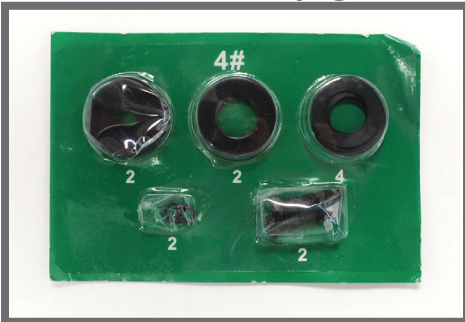
**Card #2**  
Mechanism Hardware  
[breda.us/B2/pkg2](http://breda.us/B2/pkg2)



**Card #3**  
Steel Frame Hardware  
[breda.us/B2/pkg3](http://breda.us/B2/pkg3)



**Card #4**  
Leg Hardware  
[breda.us/B2/pkg4](http://breda.us/B2/pkg4)



**Card #5**  
Mattress Strap  
[breda.us/B2/pkg5](http://breda.us/B2/pkg5)



**Package #6**  
Cams Fitting  
[breda.us/B2/pkg6](http://breda.us/B2/pkg6)



**Card #7**  
Frame Screws  
[breda.us/B2/pkg7](http://breda.us/B2/pkg7)



**Package #9**  
Pulls & 1" Screws  
[breda.us/B2/pkg9](http://breda.us/B2/pkg9)



**Package #10**  
Miscellaneous  
[breda.us/B2/pkg10](http://breda.us/B2/pkg10)



💡 To see a larger view of the images, visit: [breda.us/B2/pkg#](http://breda.us/B2/pkg#) where # is the package number, for example: [breda.us/B2/pkg1](http://breda.us/B2/pkg1) will show Hardware Package #1.

- For clarity, the images above are **not shown to scale**.
- Quantities are not listed as they vary by model, bed size and configured options.
- The hardware shown above is for package numbers only, you will have additional hardware, for example: frame rails, mechanisms, springs, etc.

**Installation tools that are required**

<input type="checkbox"/> Cordless Drill or Impact Driver	<input type="checkbox"/> #2 Phillips Screwdriver	<input type="checkbox"/> #2 and #3 Phillips bit
<input type="checkbox"/> Stud Finder	<input type="checkbox"/> Drill Bit Set	<input type="checkbox"/> Socket Set
<input type="checkbox"/> Level	<input type="checkbox"/> 1/2" Wrench or Adjustable wrench	<input type="checkbox"/> Tape Measure
<input type="checkbox"/> Ladder or Step Stool	<input type="checkbox"/> Rubber Mallet	<input type="checkbox"/> Gloves (Optional)

**UNDERSTANDING CAM FITTINGS**

The unit is assembled using what's known as cam fittings. This system allows for easy and exact alignment of parts and are what secures the bed pieces together. There are two parts to this system: the cam fittings (Fig. A) found in hardware package #6 and cam screws (Fig. B) found in hardware package #1. When inserting

cam fittings, it's important to properly align the flat part of the fitting with the edge of the board (Fig. C). Cam fittings are tightened by inserting a #1 Phillips screwdriver at a slight angle through the top hole and twisting until snug (Fig. D). Once tightened, cam fittings have an equal holding strength as screws. Never use an electric drill to tighten cam fittings, always hand-tighten.



FIG. A



FIG. B

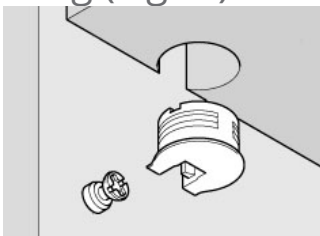


FIG. C

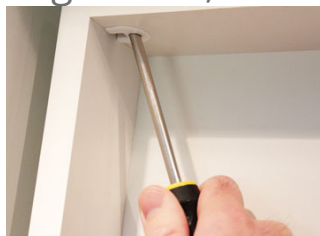


FIG. D



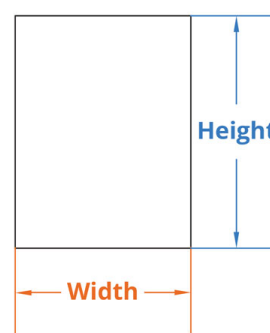
Turn cam fittings clockwise until snug, being careful not to over-tighten which can cause breakage.

**PREPARING THE WORK AREA**

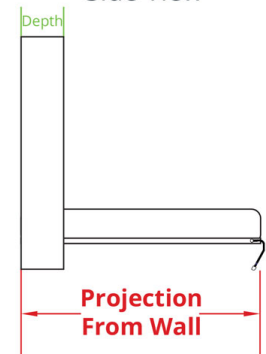
Use the dimensions below to clear a wall area where the bed be attached. The middle of the room should also be clear and you should have all parts, hardware and tools in your work area.

Mattress	Width	Height	Depth	Projection From Wall
Twin	45"	83"	16"	85"
Twin X-Long	45"	88"	16"	90"
Full	60"	83"	16"	85"
Queen	66"	88"	16"	90"
King	82"	88"	16"	90"

Front View



Side View



Need to calculate the swing arc for ceiling fans, light fixtures, etc? Visit: [breda.us/arc](http://breda.us/arc)

# Chapter 1: Hardware insertion.

## REQUIRED TOOLS

- Rubber Mallet
- Cordless Drill with #2 Phillips
- 1/2" Socket
- Allen Wrench (Hardware Card #2)

## REQUIRED HARDWARE

- Hardware Package #1 (white box)
- Hardware Card #2 (mech. box)
- Hardware Package #6 (white box)

### STEP 1

Referring to Fig. 1A, lay "**Bed Cabinet Left Side**" and "**Bed Cabinet Right Side**" on floor and insert cam screws from

Hardware Package #1 in holes marked with a **red** circle using a cordless drill.

BredaBeds Murphy Beds are designed for a mattress thickness of 11" or under, however Headboard area **AB/BA** is adjustable for mattress thicknesses greater than 11" if needed. In this area, use only 1 cam screw per side:

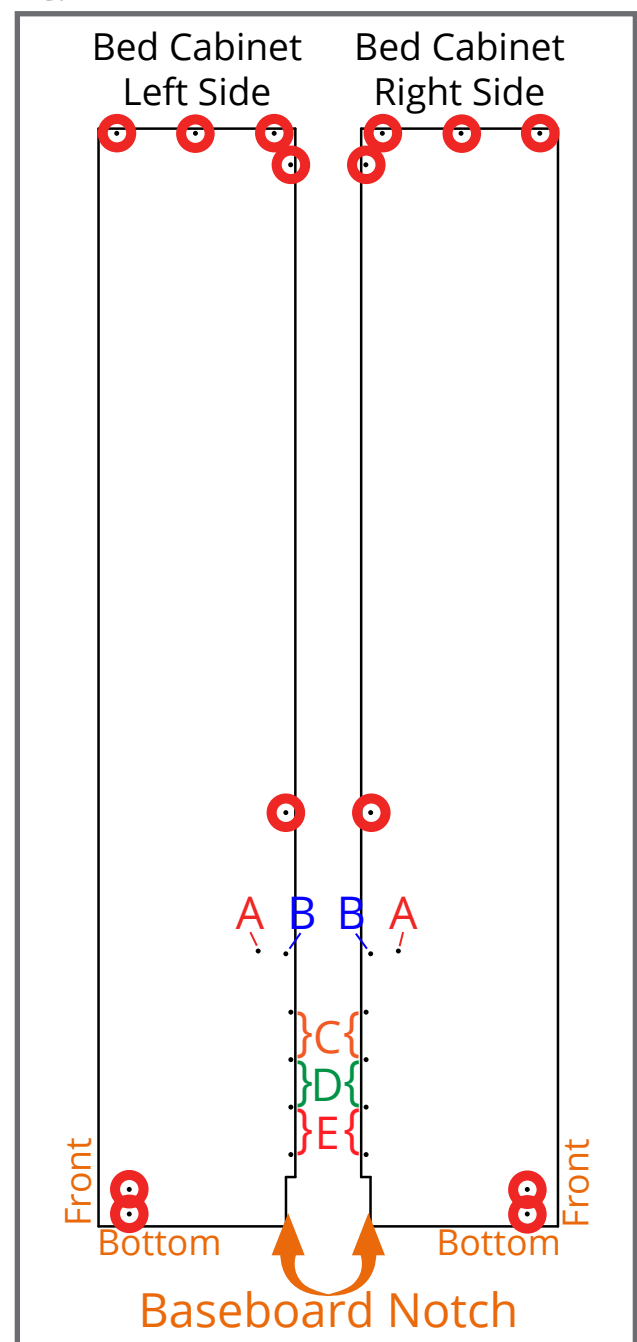
- Holes '**A**' (closest to panel midpoint) are for an 11" thick mattress.
- Holes '**B**' (hole closest to panel edge) are for a 11" to 13" thick mattress.

Even though we provide this adjustment, we highly recommend using a mattress that is 11" or under so that the headboard will sit at an angle to minimize the gap between the wall and the mattress. Thus we recommend using holes '**A**'.

Baseboard Notch area **CDE** has adjustable connections for the Bottom Nailer. In this area, use only 2 cam screws per side (4 total) in the holes closest to the bottom. If your baseboard notch was customized larger than normal, you may only have 2 or 3 holes in this area.

- Holes '**C**' if you have 2 holes in this area.
  - Holes '**D**' if you have 3 holes in this area.
  - Holes '**E**' if you have 4 holes in this area.
- Normally use '**E**' for standard or no notches.

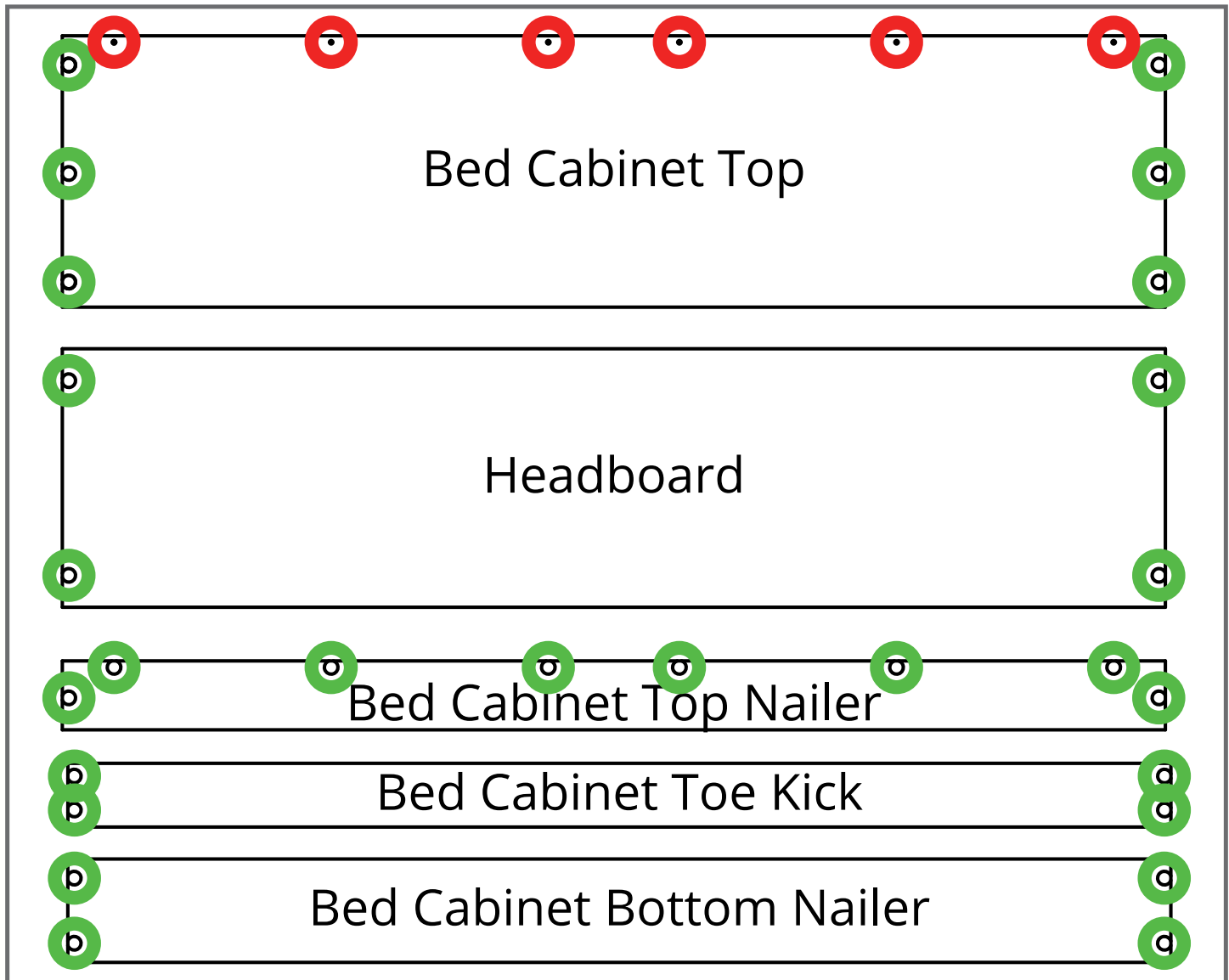
FIG. 1A



**STEP 2**

Referring to Fig. 1B, lay parts on floor and insert cam screws from Hardware Package #1 in holes marked with a **red** circle using a cordless drill (see note at the bottom of this page). Insert cam fittings from Hardware Package #6 in holes marked with a **green** circle using a rubber mallet (see note at the bottom of this page). Cam fittings should be inserted with the flat part of the cam fitting flush with the side of the panel.

FIG. 1B



The quantity of holes for Top and Top Nailer will vary depending on bed size. Insert cam screws/fittings in each hole along the top of these panels.



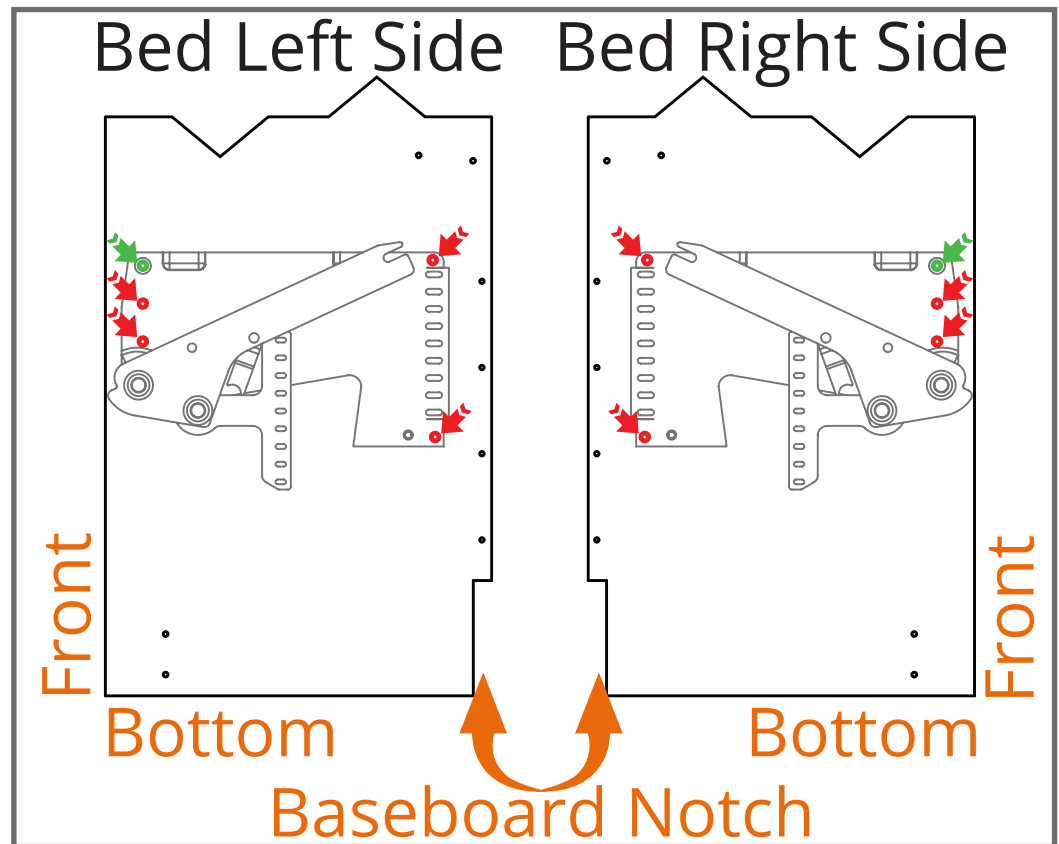
When inserting cam fittings, place the panel on a flat, solid surface so that the force of the mallet is distributed evenly to the underlying surface.

## STEP 3

Attach each mechanism to the face of the side panels as shown in Fig. 1C using qty 5 bolts and qty 4 nylock nuts found in Hardware Card #2.

The Bolts will go in from the opposite side of the panel shown. The panels have a recessed area that the bolts will fit into.

FIG. 1C



**Red** locations indicate a bolt and nylock nut. The **green** locations will only use a bolt and thread into the integrated T-Nut.

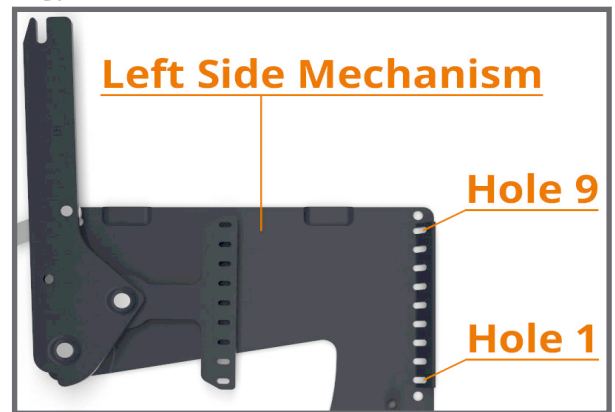


**STEP 4**

There are 9 Spring locations. Referring to the spring application chart and Fig. 1D-1G, insert springs into the hole numbers noted for the

amount of springs you will be using. Position the spring with the open side of the hook facing down as shown in **green** and hook it into stationary portion of the mechanism slot as shown in **blue**. Rotate the spring 180° (so the open side of the hook is now facing up) and hook the opposite side into the corresponding hole on the movable portion of the mechanism as shown in **orange**. You'll need to rotate the mechanism arm forwards or backwards as you go to keep tension on the springs you've inserted and to create the proper spacing for the spring you're working on. Start with the higher quantity of springs listed for your bed size, you may have to add or remove springs depending on the weight of your mattress.

FIG. 1D

**Spring Application Chart**

Bed Size	Spring Quantity	Hole Numbers
Twin	4 or 5 spring per side	Holes 3 through 6 (4 springs) OR Holes 3 through 7 (5 springs)
Twin X-Long	5 or 6 spring per side	Holes 3 through 7 (5 springs) OR Holes 2 through 7 (6 springs)
Full	6 or 7 spring per side	Holes 2 through 7 (6 springs) OR Holes 2 through 8 (7 springs)
Queen	7 or 8 spring per side	Holes 2 through 8 (7 springs) OR Holes 1 through 8 (8 springs)
King	9 Spring Per Side	Holes 1 through 9

\*Please note: These are recommendations only, the actual quantity needed will vary depending on the weight of the mattress including all bedding. We recommend starting with the higher quantity springs shown in the table for your bed size. Adjustment will be done later at the end of this booklet.

FIG. 1E

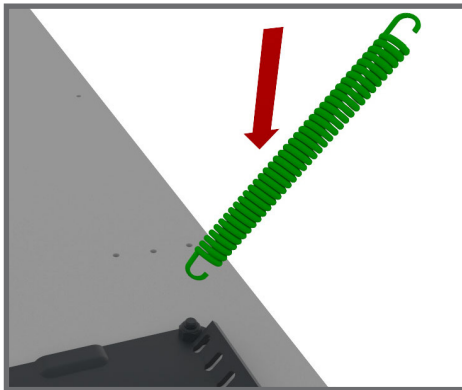


FIG. 1F

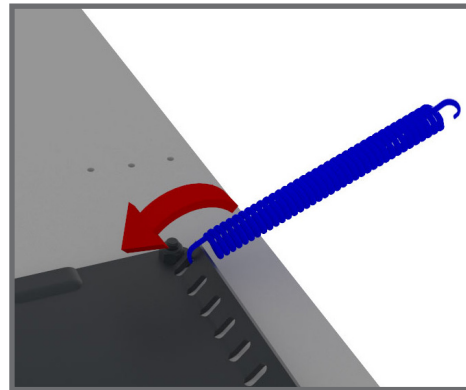
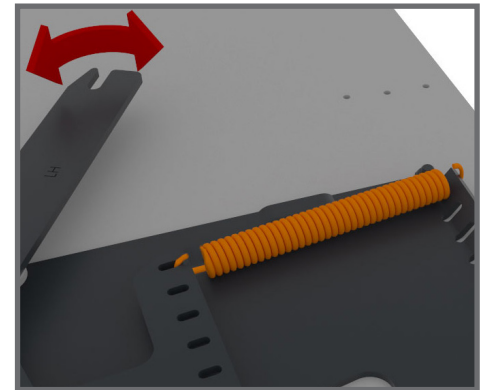


FIG. 1G



We recommend you start adding springs toward to the top of the mechanism first (at or near hole #9) and work your way down, adjusting the mechanism arm as you go to keep tension on the existing springs. Once finished, you can place a shim under the springs temporarily to keep the springs from falling out of place.



For video instructions of this specific step, visit: [breda.us/springs](https://breda.us/springs)

## Chapter 2: **Bed Cabinet assembly.**

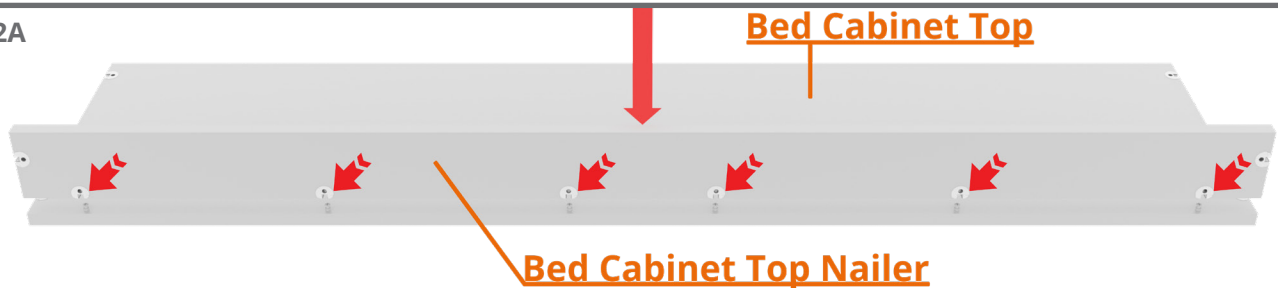
**REQUIRED TOOLS:** #2 Phillips Screwdriver

**OVERVIEW:** In the following steps, you'll assemble the Bed Cabinet on the floor, then once assembled, tilt the Bed Cabinet up. To do this, you'll need at least 3 extra inches of height clearance. If the height of your room is shorter than this, you'll have to assemble the Bed Cabinet vertically.

### STEP 1

Lower "**Bed Cabinet Top Nailer**" onto "**Bed Cabinet Top**" as shown in Fig. 2A and tighten cam fitting using a #2 Phillips screwdriver. Note: Make sure cam fittings are facing toward and aligned to this back edge of the "**Bed Cabinet Top**" as illustrated below. **Reverse the top nailer (rotate end-to-end) if the edges don't align (the cams are intentionally offset to one side).**

FIG. 2A



**CAM FITTINGS/SCREWS ARE OFFSET TO PREVENT THE TOP NAILER FROM BEING INSTALLED BACKWARD. FROM THE VIEW ABOVE THE CAMS ARE FACING THE CAMERA. ONCE ASSEMBLED, THESE WILL FACE THE WALL THE BED WILL ATTACH TO AND NOT BE VISIBLE. DO NOT RE-DRILL HOLES IF THE CAMS DO NOT ALIGN.**



**Cam fittings should be turned approx. 1/4 turn until snug. Over-tightening can cause them to break.**

### STEP 2

Position the "**Bed Cabinet Right Side**" on it's edge with notch for the baseboard facing up and position the **top assembly** from previous step

and "**Bed Cabinet Toe Kick**" as shown with "**Bed Cabinet Toe Kick**" closest to the wall where bed will be attached. Slide in direction of arrows and tighten all cam fittings. The Toe Kick cams face up and tighten from the top side. The unfinished side of the Toe Kick will be exactly flush with the unfinished edge of the cabinet side. If there is a 1/4" difference, turn the Toe Kick around 180 degrees (use the other two cams on the opposite side).

FIG. 2B

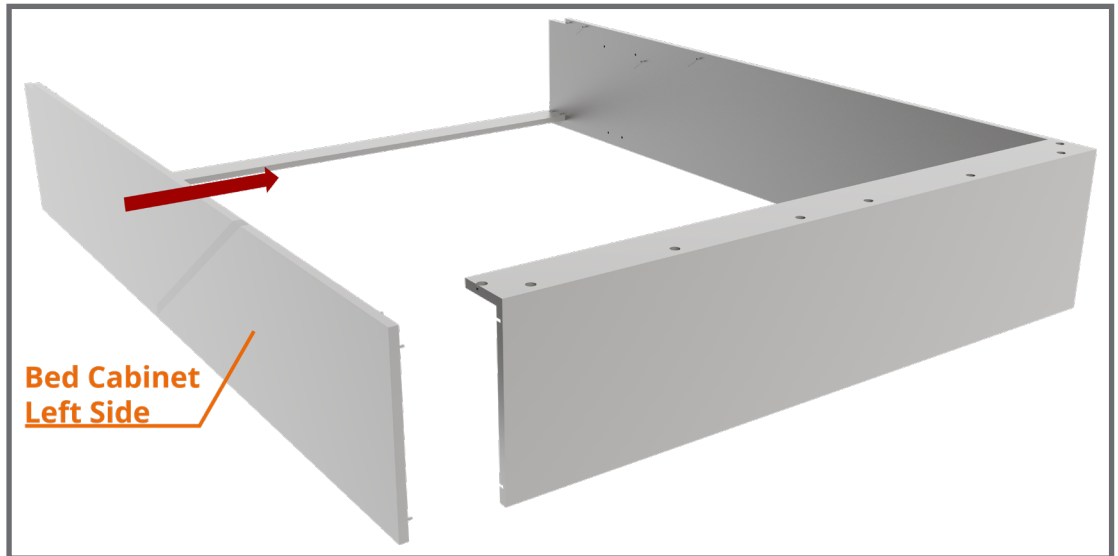




## STEP 3

Slide “**Bed Cabinet Left Side**” as shown in Fig. 2C in direction of arrow and tighten all cam fittings.

FIG. 2C

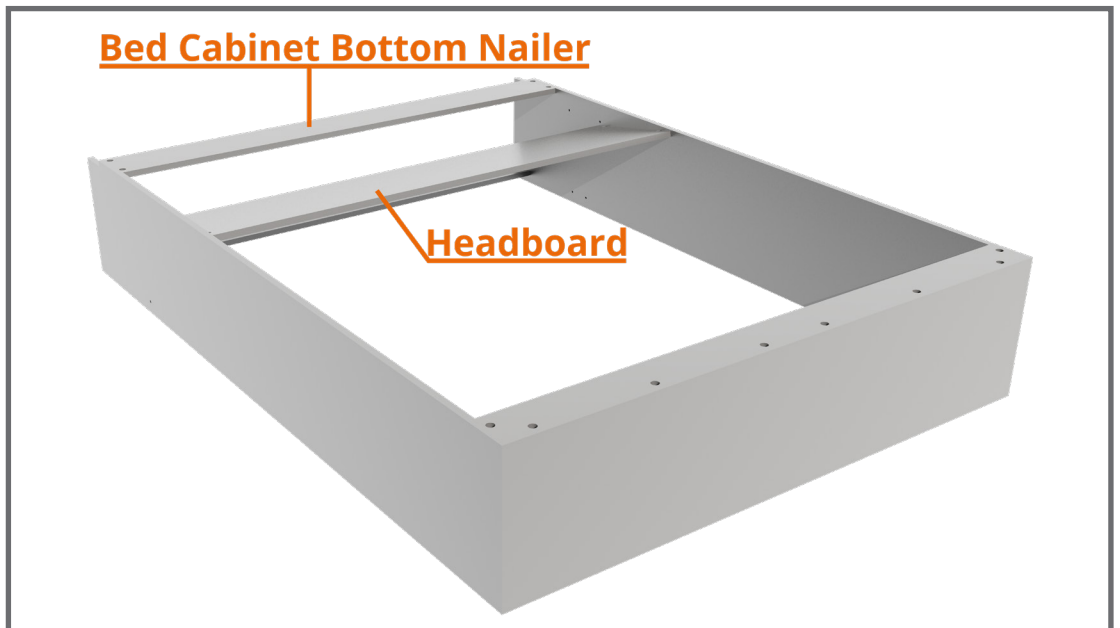


## STEP 4

Attach “**Headboard**” and “**Bed Cabinet Bottom Nailer**” as shown in Fig. 2D and tighten cam fittings.

The Headboard will normally sit at a slight angle.

FIG. 2D



From the perspective shown, Cam fittings on the Headboard and Bottom Nailer should be facing up, and tighten from the top side. If assembling vertically, these cam fittings should face the wall the Bed Cabinet will attach to. Once assembled, cam fittings on these parts should not be visible.

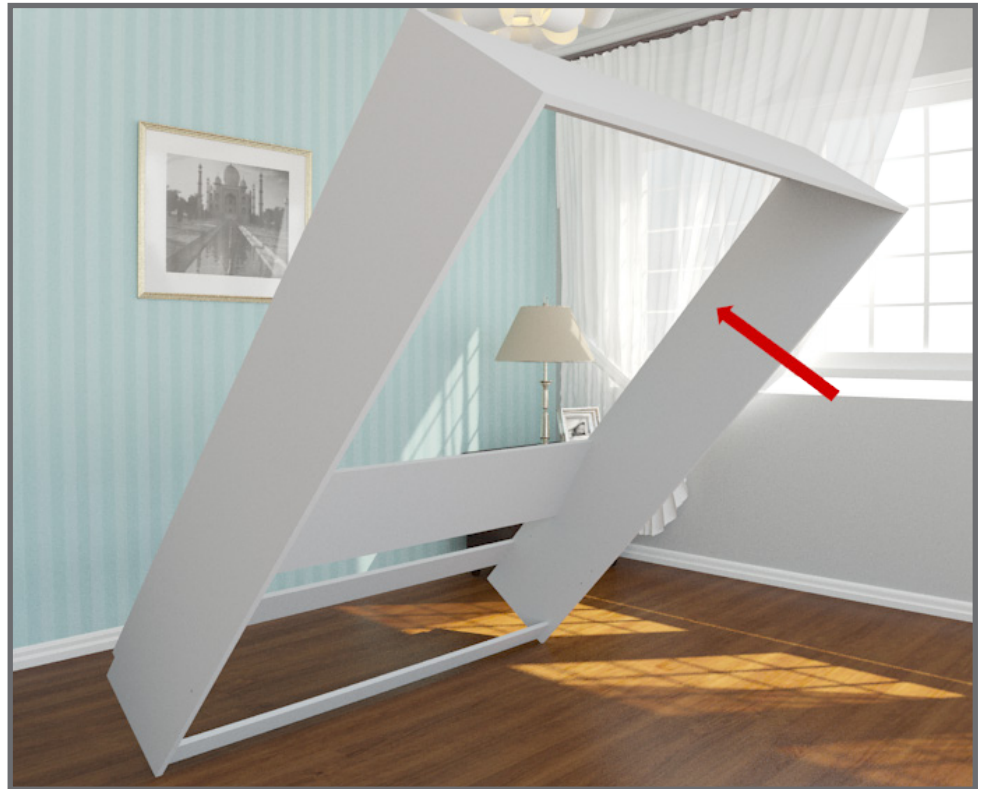


## STEP 5

Stand the Bed Cabinet upright and against the wall at the desired location. The Bed Cabinet should be flat against the wall. Keep at least a 1/2" clearance on the sides to allow for later adjustment.

If your baseboard is larger than the base notch provided, please see the Troubleshooting section on Page 7.

FIG. 2E



 During & after tipping up, do not apply upward pressure to any horizontal panels.

## **STOP \*\*\* STOP - SAFETY CHECKLIST \*\*\***

The items listed on this page are some of the most common errors during assembly and can lead to structural failure of the Murphy Bed if not done properly.

**DO NOT PROCEED PAST THIS POINT WITHOUT FIRST VERIFYING THE FOLLOWING:**

### ☐ **Are all cam fittings locked?**

Using a #2 Phillips screwdriver, verify all cams are locked to the connecting cam screw.

### ☐ **Are cams facing down or the wall?**

- Cam fittings on the Top Nailer, Bottom Nailer, Headboard and Toe Kick should face the wall and NOT be visible from the front.
- Cam fittings on the Bed Cabinet Top should face down and WILL be visible from below.

If any of these parts are backwards, they must be flipped around.

If you have any question, contact us (phone: **1-855-466-4781**, email: **service@bredabeds.com** or live chat: **<https://bredabeds.com>**) before proceeding.

## Chapter 3: Attaching the Bed Cabinet to the wall.

### REQUIRED TOOLS

- Cordless Drill and/or Impact Driver
- #2 & #3 Phillips Bit
- 3/16" Drill Bit
- Countersink (or 3/8" Drill Bit)
- Stud Finder
- Level

### REQUIRED HARDWARE

- Hardware Package #10

**OVERVIEW:** Now that the Bed Cabinet is assembled, we'll be attaching it to the wall. This is a crucial chapter that must be followed carefully. If the Bed Cabinet is improperly attached to the wall, the bed could collapse at a later time and could result in serious injury.



**The instructions in this booklet are for attaching a bed to wood wall studs. If your wall backing varies from this, use appropriate connections.**

**For guidance, visit: <https://breda.us/walls>**

### STEP 1

Begin by leveling the Bed Cabinet. Place a level on the top of the Bed Cabinet in the center. If the horizontal bubble on the level is touching the left mark, place a shim under the right side of the Bed Cabinet. If the bubble is touching the right mark, place a shim under the left side of the Bed Cabinet. The shim is tapered, so the further in you slide the shim, the more it will raise that side of the bed. It may be necessary to stack

the shims for more height if the floor varies greatly. Once the bubble is exactly centered between the marks, the bed is level.

Now you will want to "plumb" the bed. Place the level against one side of the bed. If the vertical bubble on the level is touching the left mark, the top of the Bed Cabinet needs to move to the left. If the bubble is touching the right mark, the top of the Bed Cabinet needs to move to the right. Once the bubble is exactly centered, place a mark on the wall at the top edge of the side panels so you can return the bed to this mark in case it moves before the Bed Cabinet is fully attached.



At this time, don't worry about shims sticking out on the sides of the Bed Cabinet. Once assembly has been completed, the excess wood on the shims can be carefully cutoff with a utility knife.

## STEP 2

Using a stud finder, locate and mark the **exact center** of **each** stud (see page 7 if you have 3 or less stud locations) along the “**Bed Cabinet Top Nailer**”. To do this, slowly move the stud finder from left-to-right until you locate the left edge of the stud and mark this location. Then, slowly move the stud finder from right to left until you locate the right edge of the stud and mark this location. Once you have both edges of the studs marked, measure to the **exact center** of the stud.

FIG. 3A - DRYWALL CUTAWAY SHOWING WALL STUDS



Most wall studs are 1 1/2" wide and measure 16" on center (center-to-center), or in some cases may measure 24" on center.

## STEP 3

Pre-drill “**Bed Cabinet Top Nailer**” using a 3/16" drill bit at each stud center and slightly countersink with a countersink bit or 3/8" drill bit. **You must drill through the warning tape/sticker if necessary. This warning contains important safety information for disassembly and must not be removed!**

## STEP 4

**Critical Step**

Insert long screws (3") from Hardware Package #10 at each stud center and secure with a #3 Phillips bit. When inserting screws, using a power impact driver rather than a drill can greatly ease the process.



To help achieve better alignment and to prevent the middle from bowing, apply slight upward pressure until the top is level. We suggest using a long level or a straight edge long enough to cover most of the length along the top shelf.

**"BED CABINET TOP NAILER" MUST BE FIRMLY ATTACHED TO THE WALL, OTHERWISE CATASTROPHIC COLLAPSE WILL OCCUR DURING OPERATION OR WHILE BEING SLEPT ON!**



**It is the installers responsibility to make sure the bed is securely attached to the wall, before proceeding past this page, MAKE ABSOLUTE CERTAIN the Bed Cabinet is firmly attached to the wall. Once the Bed Face Panel is installed later, there will be in excess of 200 pounds of force applied. SCREWS, DRYWALL ANCHORS OR TOGGLE BOLTS INTO DRYWALL ONLY ARE NOT ADEQUATE.**

**\*\*\*INSUFFICIENT CONNECTIONS MAY RESULT\*\*\*  
\*\*\*IN SERIOUS INJURY OR DEATH!\*\*\***

**DO NOT remove the warning tape/label on the Top Nailer.**



**The tape contains important safety information for disassembly. If the warning is missing or damaged, contact BredaBeds to receive replacement tape/label.**



**DO NOT attempt to proceed if the Bed Cabinet Top Nailer is damaged or cracked. Contact BredaBeds for a replacement.**



If you purchased a wired or wireless light kit with your bed, you can follow the directions for installation at this time that came with your kit.

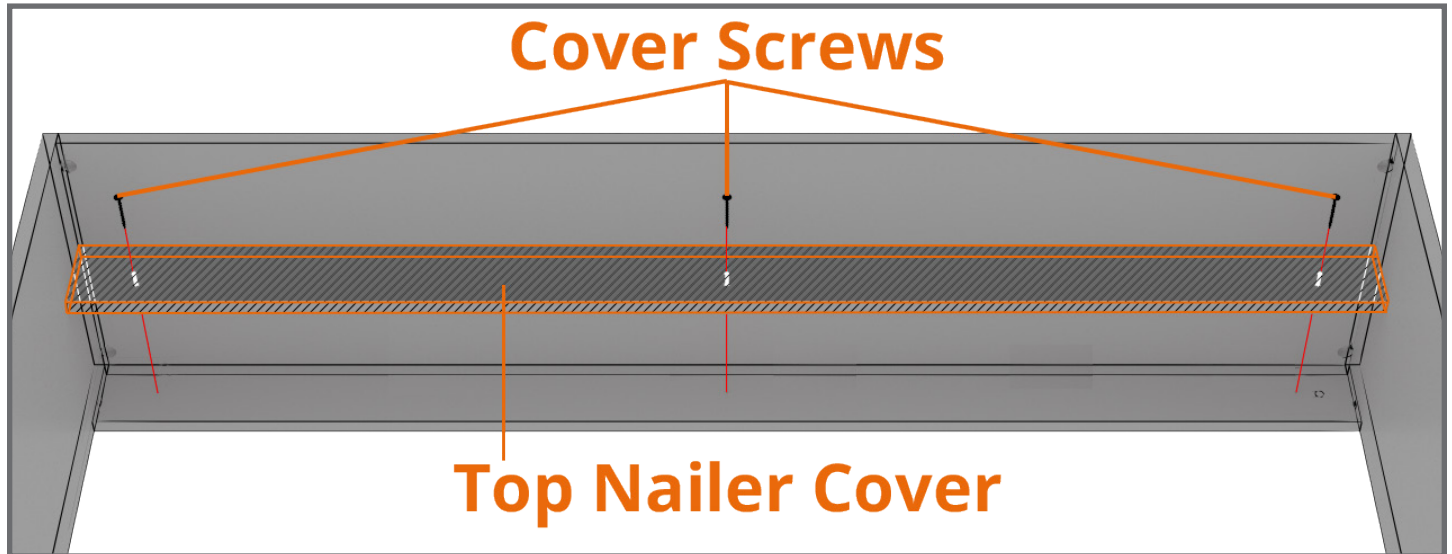
**"Bed Cabinet Bottom Nailer"** will be attached later (Chapter 7).



**STEP 5**

Attach the “**Top Nailer Cover**” using the 1-1/4” screws from Hardware Package #10 through the pre-drilled holes in the cover piece. One side of the cover has recessed holes which is the front and one edge is finished which is the bottom. The quantity of screws used will vary depending on bed size. Cover screw heads with stickers from Hardware Package #10.

FIG. 3B - LOOKING UP AT THE NAILER/COVER FROM BELOW

**\*\*\* STOP - SAFETY CHECKLIST \*\*\***

**DO NOT PROCEED PAST THIS POINT WITHOUT FIRST VERIFYING THE FOLLOWING:**

- ☐ **Have the screws been attached into studs?**  
Drywall is NOT a structural element, attaching the bed to drywall only is not adequate and will lead to catastrophic collapse. The instructions in this booklet are for attaching a bed to wood wall studs. If your wall backing varies from this, visit: <https://breda.us/walls>  
Contact BredaBeds to discuss if you have any questions or concerns.
- ☐ **Have you used the screws provided?**  
Do not deviate from using the screws provided without written authorization. If you have concerns, contact BredaBeds to discuss.
- ☐ **Does the Top Nailer still have the warning label?**  
The tape contains important safety information for disassembly. If the tape is missing or damaged, contact BredaBeds to receive replacement tape.

If you have any question, contact us (phone: **1-855-466-4781**, email: [service@bredabeds.com](mailto:service@bredabeds.com) or live chat: <https://bredabeds.com>) before proceeding.

# Chapter 4: Assembling the Bed Face Panel unit.

## REQUIRED TOOLS

- Cordless Drill and/or Impact Driver
- 5/16" Socket
- #2 Phillips Screwdriver
- Tape Measure

## REQUIRED HARDWARE

- Hardware Card #3
- Hardware Card #7



For video instructions of this specific chapter, visit: [breda.us/frame](https://breda.us/frame)

## STEP 1

Referring to Fig. 4A/4B, lay doors face down in front of the bed on a soft surface, such as a carpet, rug or blanket. Pre-drilled "Handle Holes" should be furthest away from bed cabinet.

**METROPOLITAN MURPHY BEDS:** Measure 4" and to 6" from each edge of each door and mark these areas (shown in Fig. 4A and Fig. 4B as red lines) with tape or permanent marker. This 2" wide area is a screw-free zone, which matches the recessed area on the face of the door to prevent screws from penetrating through the front of the door.

FIG. 4A

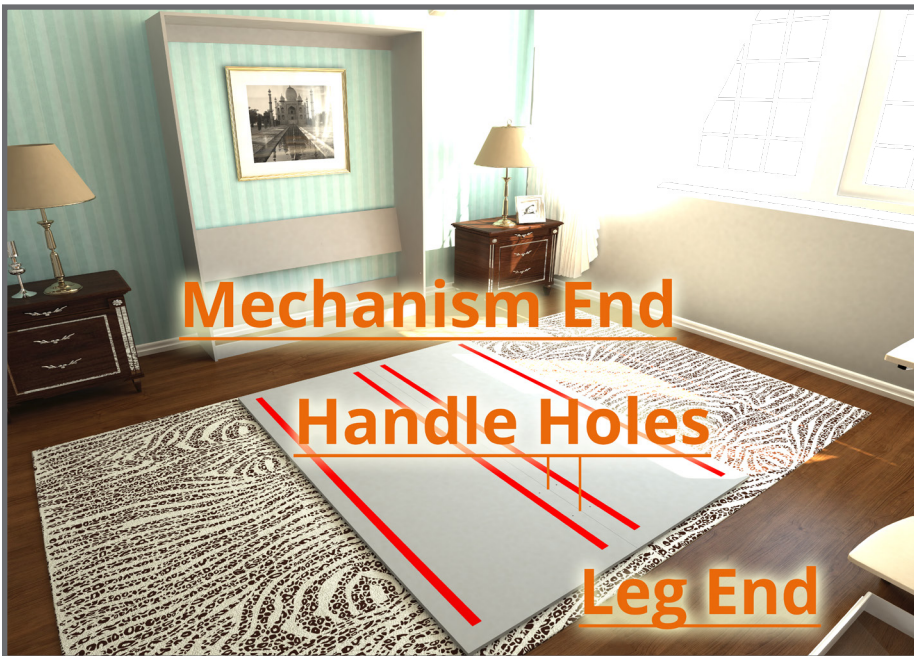
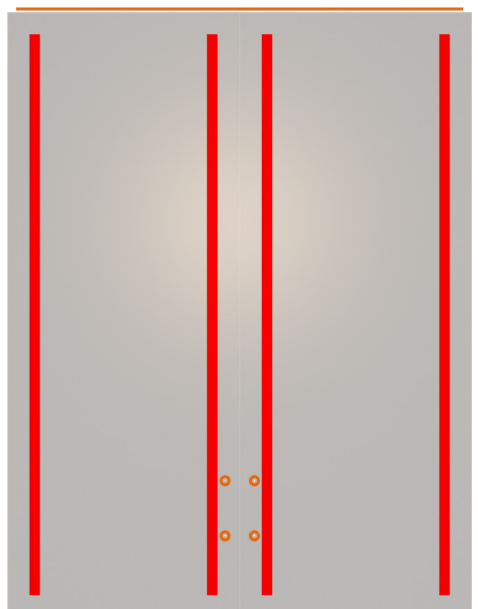


FIG. 4B - DOORS, OVERHEAD VIEW

## Mechanism End



## Leg End



The "**Mechanism End**" is the end of the bed where your head will be as you lay in the bed and the "**Leg End**" is the end that your feet will be.





For video instructions of this specific chapter, visit: [breda.us/frame](https://breda.us/frame)

## STEP 2

Lay the metal frame pieces on top of the bed doors with the wider flange facing down towards the bed doors. Use the hardware from hardware package #3 for the following:

**LEG END CORNERS:** Referring to Fig. 4C (exploded view) & Fig. 4D (assembled view), place a corner bracket on both inside corners of the frame “**Leg End**”. Use the 1 1/4" long screw to attach the 1/2" x 3/4" round black cylinder to the outside of the frame in the bottom, side hole and attach the other holes with 3, #10 x 1/2" (short) screws and nuts. This cylinder will act as the leg stop once the installation is complete. Attach the other holes with 3, #10 x 1/2" (short) screws and nuts.

FIG. 4C - LEG END, LEFT CORNER, OUTSIDE VIEW

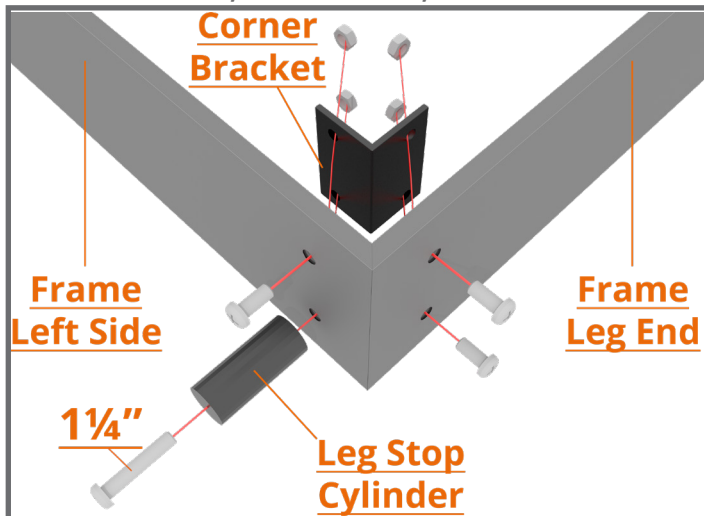
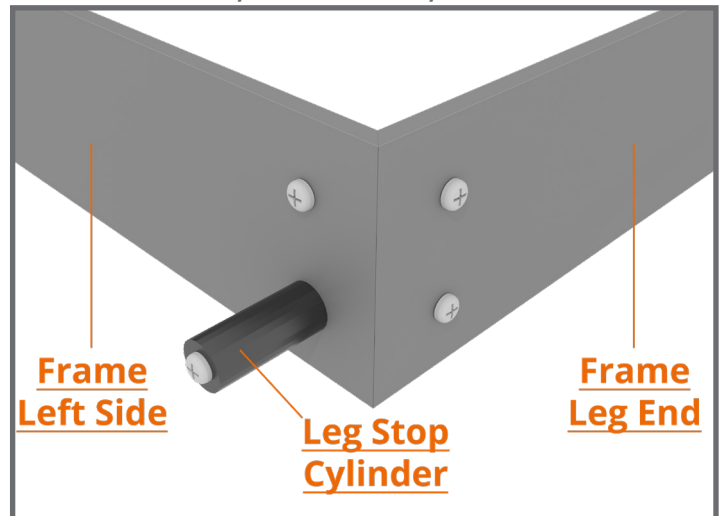


FIG. 4D - LEG END, LEFT CORNER, OUTSIDE VIEW



**MECHANISM END CORNERS:** Your bed comes with “Panel Savers” which are metal “L” shaped pieces that prevent damage to the doors if the user forgets to put the leg rod down when opening the bed. Referring to Fig. 4E (exploded view) & Fig. 4F (assembled view), place a corner bracket on both inside corners of the frame “**Mechanism End**” and a Panel Saver on the outside of the left and right frame sides. Attach with 4, #10 x 1/2" (short) screws and nuts.

FIG. 4E - MECHANISM END, LEFT CORNER, INSIDE VIEW

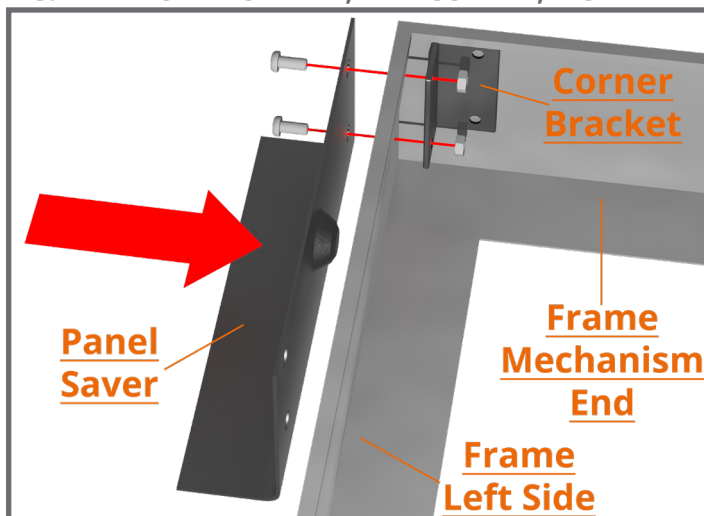
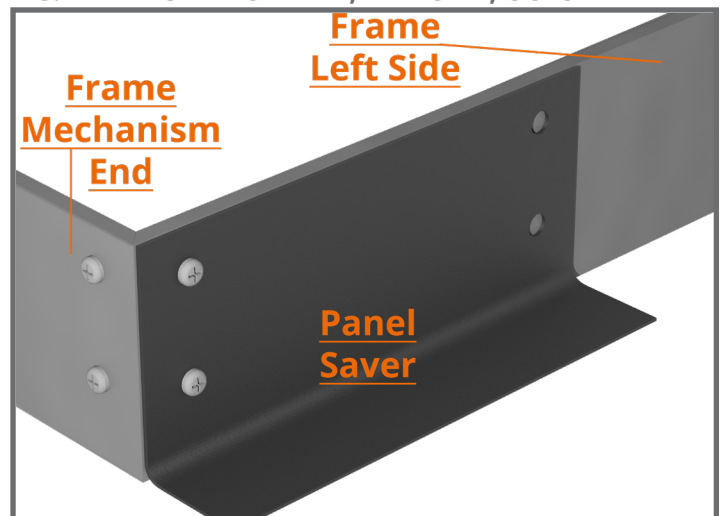


FIG. 4F - MECHANISM END, LEFT SIDE, OUTSIDE VIEW





For video instructions of this specific chapter, visit: [breda.us/frame](https://breda.us/frame)

## STEP 3

Critical Step

Position the frame **1/2" from "Mechanism End" and centered along the left and right sides.**

Attach frame to doors using screws from hardware card #7. We highly recommend using a bit

holder and a #2 square drive to insert screws. When attaching screws, attach the 4 corners first, which will help keep the frame aligned. The position of the frame over the doors is crucial, so double check alignment as you insert screws.

Full, Queen and King beds: Make sure the doors are pushed together so there's no gap between the doors and they are even on the ends. It can be helpful to add a strip of tape between the doors.

FIG. 4G - OVERHEAD VIEW



If you have trouble with screws being inserted at an angle or improperly, using a **bit holder** on your drill will keep your screws vertical and use a **#2 square drive** to prevent screws from breaking or camming out.

## STEP 4

Position the steel support stiffeners according to the dimensions listed in the table below. Dimensions listed are from either the "Mechanism End" or "Frame End". Take care not to cover handle holes. Attach with screws from

hardware card #7.

**METROPOLITAN MURPHY BEDS:** To prevent screws from poking through the thin areas, you **must measure accurately**. Additionally, **do not screw into the previously marked screw-free zone**.

**KING SIZE BEDS:** You will have an extra 2 stiffeners for added strength on the "Leg End". Position these 2 extra stiffeners 7" from the "Leg End". Refer to Fig. 4I.

FIG. 4H - OVERHEAD VIEW

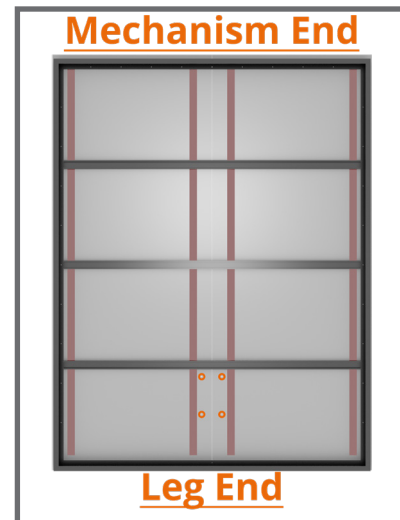
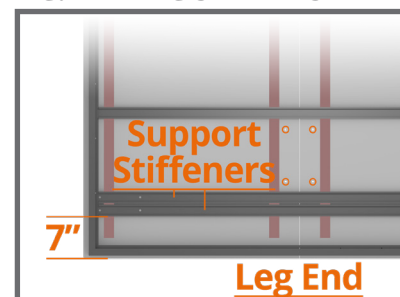


FIG. 4I - KING SIZE BEDS



Bed Size	Steel Stiffener Spacing
Twin	19" - 38" - 57" (every 19" center-to-center)
Twin X-Long	20 1/4" - 40 1/2" - 60 3/4" (every 20 1/4" center-to-center)
Full	19" - 38" - 57" (every 19" center-to-center)
Queen	20 1/4" - 40 1/2" - 60 3/4" (every 20 1/4" center-to-center)
King	20 1/4" - 40 1/2" - 60 3/4" (every 20 1/4" center-to-center)



## \*\*\* STOP - SAFETY CHECKLIST \*\*\*

The items listed on this page are some of the most common errors during assembly and can lead to structural failure of the Murphy Bed if not done properly.

**DO NOT PROCEED PAST THIS POINT WITHOUT FIRST VERIFYING THE FOLLOWING:**

☐ **Is the bed securely attached to the wall?**

Review Chapter 3 and the warnings on those pages.

☐ **Have you inserted screws at each hole in the frame and stiffeners?**

Each hole along the frame and stiffeners must have a screw at this point and all available stiffeners installed. The frame will pull away from the doors if this is not done. Review Chapter 4, Steps 3 and 4.

☐ **Do you have a 1/2" setback along the mechanism end?**

The position of the frame on the doors is critical and will lead to problems further on during the assembly. Review Chapter 4, Step 3.

☐ **Do you have the correct quantity of springs installed?**

Review the Spring Application Chart in Chapter 1, Step 4. Even though we have this chart, the bed will still need to be adjusted due to varying mattress weights later in assembly during Chapter 7, Step 2.

☐ **Is the Leg Stop Cylinder installed in the bottom hole at the leg end?**

Review Chapter 4, Step 2, Fig 4C and Fig 4D

☐ **Is the work area clear of children & pets?**

If you have any question, contact us (phone: **1-855-466-4781**, email: **service@bredabeds.com** or live chat: **<https://bredabeds.com>**) before proceeding.

## Chapter 5: Attaching the Bed Face Panel to the Bed Cabinet.

### REQUIRED TOOLS

- 1/2" Socket
- 1/2" Wrench

### REQUIRED HARDWARE

- Hardware Card #2

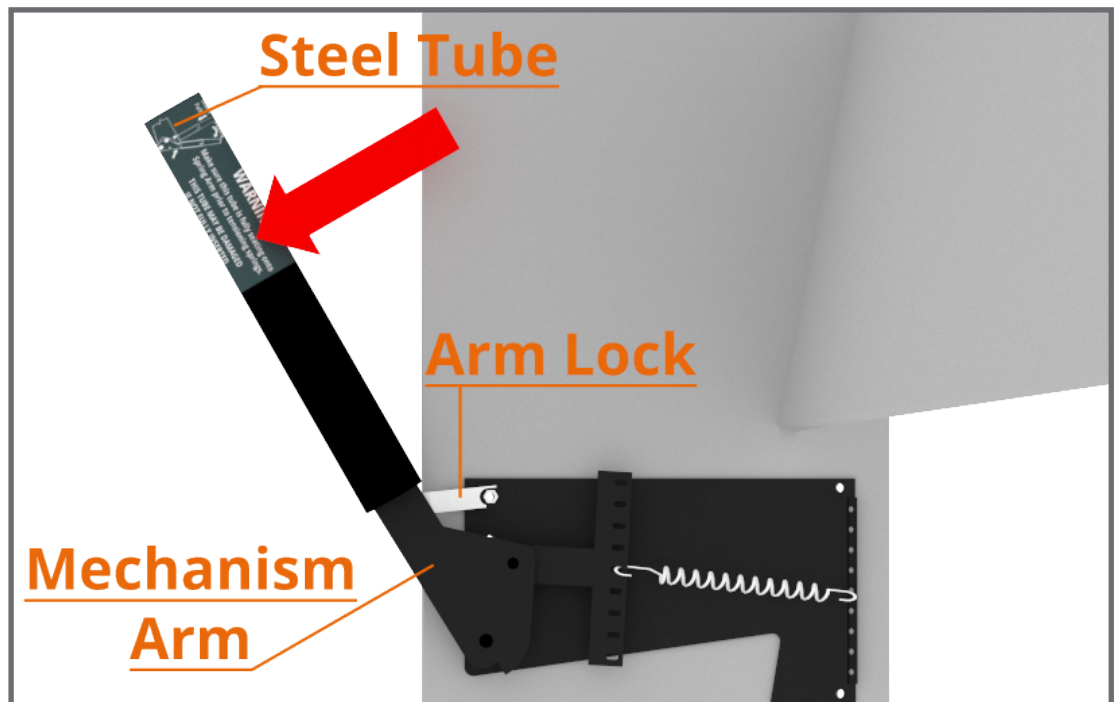


For video instructions of this specific chapter, visit: [breda.us/face](https://breda.us/face)

### STEP 1

Slide the steel tube over the mechanism arm and pull outward to engage the arm lock on the T-Nut as shown in Fig. 5A. Repeat steps for opposite side.

FIG. 5A - LEFT SIDE SHOWN



The mechanism arm will have a considerable amount of tension, this is normal and why we include the steel pipe. You should place your foot against the bottom on the bed to prevent the Bed Cabinet from pulling away from the wall and doing this will also help get leverage to pull the arm down. It may also appear to be slightly bent, which is normal.





For video instructions of this specific chapter, visit: [breda.us/face](https://breda.us/face)



The bolts for Holes #1, #2 and #3 will all attach from the outside of the frame. In other words, the bolt heads will be on the outside of the frame and the nuts will go on the inside of the frame for all three of the holes.

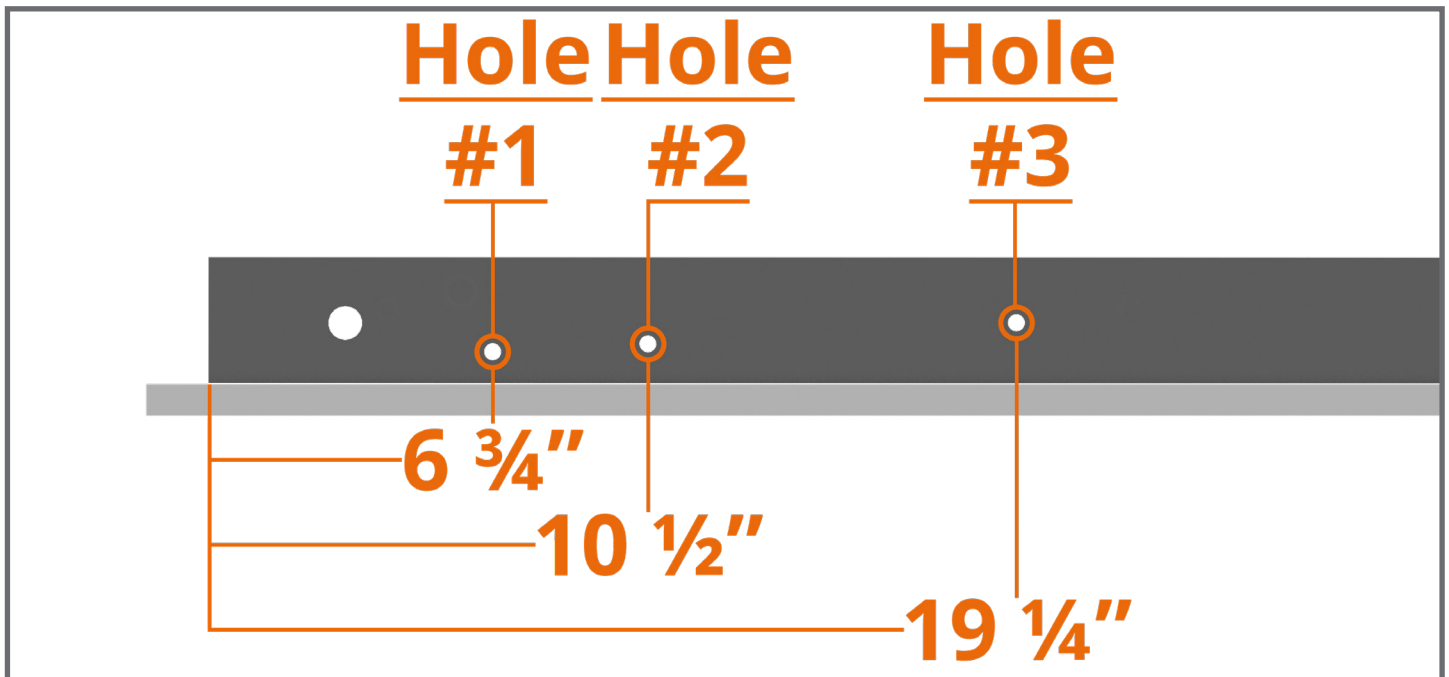
## STEP 2

Referring to Fig. 5B, insert the round Allen head bolts from Hardware Card #2, from the outside of the frame, through **Hole #1** on the side of the bed frame. Thread on 5/16" Nylock nuts from Hardware Card #2 and securely tighten with a 1/2" socket. Repeat for opposite side. These Allen head bolts will be used as a positioning guide.

## STEP 3

Referring to Fig. 5B, insert 5/16" Hex head bolts from Hardware Card #2, from the outside of the frame, through **Hole #3**. Thread on 5/16" Nylock nuts from Hardware Card #2, **only finger tight** at this time. Repeat for opposite side.

FIG. 5B - BED FACE PANEL, LEFT SIDE VIEW OF MECHANISM END



The exact hole pattern will vary, so you may have additional holes not shown. The only holes needed on this Chapter are the ones at the measurements listed above.

Note: Hole #2 will be used on the next step.



For video instructions of this specific chapter, visit: [breda.us/face](https://breda.us/face)

FIG. 5C - LOOKING THROUGH LEFT SIDE

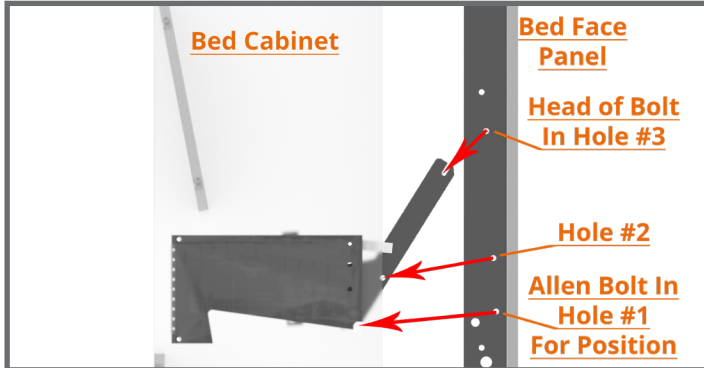
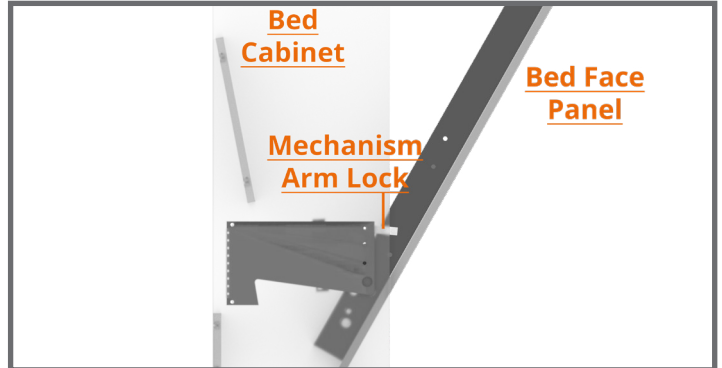


FIG. 5D - LOOKING THROUGH LEFT SIDE



## STEP 4

1. Referring to Fig. 5C, stand the Bed Face Panel in vertical position between the mechanism arms, lifting until the bolt in **Hole #3** drops in the slotted portion of each mechanism arm.
2. Gently tilt the Bed Face Panel outward toward you until the Allen bolts in **Hole #1** hits (and is completely seated in) the bottom corner notch of each mechanism. This is used as a positioning guide to align **Hole #2** with the mechanism.
3. Insert the remaining 5/16 Hex head bolts from Hardware Card #2, through the mechanism arm into **Hole #2** on each side and thread on the 5/16" Nylock nuts from Hardware Card #2. Securely tighten these nuts and the nuts on **Hole #3** with the 1/2" Socket and wrench.
4. Verify the bolts in Holes #2 and #3 have been inserted and secured on each side (4 bolts total).
5. Tilt the Bed Face Panel outward (to approximately 45 degrees) to release the mechanism arm locks. You may hear a click as they disengage.



If you have trouble aligning the bolt in hole #2, visit: [breda.us/bolt2](https://breda.us/bolt2) for solutions. To ease lifting the Bed Face Panel onto the mechanism arms, you can lift one side at a time, see the video link at the top of this page for a demonstration with one person. King sizes should always be lifted with two people. If you still have any issues or confusion on this step, see the video link at the top of this page or contact us to discuss.



The Bed Face Panel will have a considerable amount of tension at this point. Balance is not achieved until the mattress is loaded in the bed. **DO NOT** attempt to adjust the bed at this time, adjustments will be done later.



**DO NOT ATTEMPT TO PRY OFF THE MECHANISM ARM FROM THE FRAME WHEN THE MECHANISM ARM IS UNDER TENSION. IF YOU NEED TO REMOVE THE BED FACE PANEL, RE-ENGAGE THE ARM LOCKS AND LIFT OFF THE BED FACE PANEL. SEE CHAPTER 8, STEPS 1 & 2.**



**FROM THIS POINT FORWARD, NEVER REMOVE THE SCREWS IN TOP NAILER FROM THE WALL WITHOUT FIRST REMOVING THE BED FACE PANEL. THE BED CABINET WILL COLLAPSE OTHERWISE.**



## \*\*\* STOP - SAFETY CHECKLIST \*\*\*

**DO NOT PROCEED PAST THIS POINT WITHOUT FIRST VERIFYING THE FOLLOWING:**

☐ **Have the bolts in Hole #2 been inserted?**

If you have any question, contact us (phone: **1-855-466-4781**, email: [service@bredabeds.com](mailto:service@bredabeds.com) or live chat: <https://bredabeds.com>) before proceeding.

## Chapter 6: Installing the handles, leg support and mattress.

### REQUIRED TOOLS

- Cordless Drill w/ #2 Phillips bit
- 7/16" Socket
- 1/2" Socket

### REQUIRED HARDWARE

- Hardware Card #4
- Hardware Card #5 (Optional)
- Hardware Package #9

### STEP 1

Using the handles and provided screws from Hardware Package #9, attach the handles to the Bed Face Panel at the location of the pre-drilled holes. It may be easiest to have one person hold the handle on the Bed Face Panel while another person tightens the screws from the backside with a drill.

### STEP 2

At this point you can install the mattress in the frame, balancing the spring tension will be covered in the next chapter. The mattress sits directly on top of the support stiffeners. It's normal to have a height difference between the support stiffeners and the bed doors. This isn't an issue with nearly all mattresses, since the difference is distributed throughout the mattress.

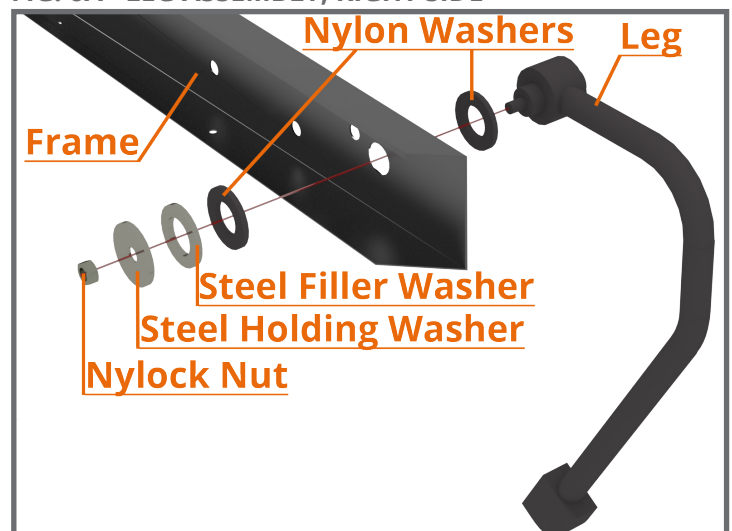
### STEP 3

Referring to Fig. 6A and using the large washers from Hardware Card #4 and 5/16" Nylock nut pre-threaded onto each leg,

install legs with the washers in order as shown (3 1/4" from the edge of the frame).

Tighten Nylock nut with a 1/2" socket to have a small amount of friction when the leg assembly is rotated between the up and down positions.

FIG. 6A - LEG ASSEMBLY, RIGHT SIDE





## STEP 4

- Install the leg connector rod between the legs and secure with Hex head bolts and star washers from Hardware Card #4 and securely tighten Hex bolt with a 7/16" socket.
- The legs and leg connector rod will rotate up when the bed is closed which will also hold the mattress in place.

FIG. 6B - LEG AND CONNECTOR ROD, LEFT SIDE

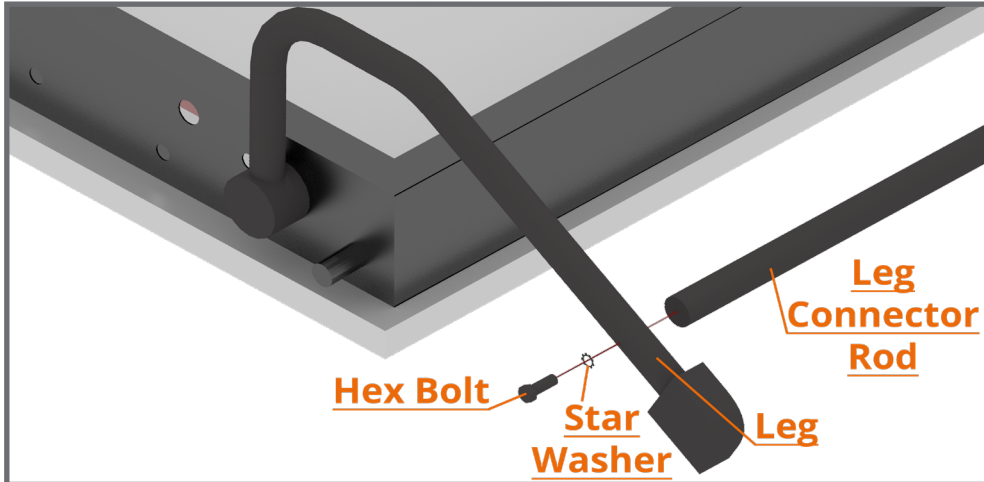
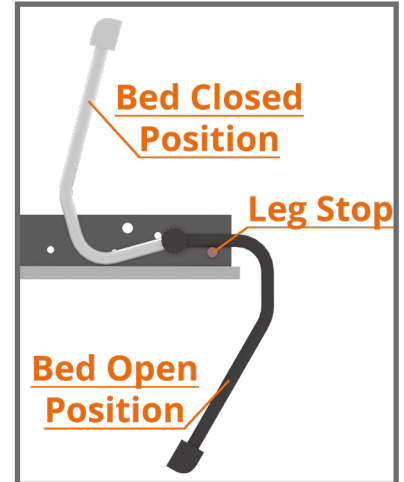


FIG. 6C - LEG POSITION



## STEP 5 optional

**Optional:** Attach the mattress strap from Hardware Card #5 for securing the mattress and bedding. Attach approximately 18" down from the mechanism end and 6" in from the side by inserting a screw and washer through one end of the strap and into the back side of the Bed Face Panel.

This is optional because most mattresses will be held in with the legs and leg connector rod. We recommend NOT doing this unless needed.

# Chapter 7: Final adjustment for the Bed Cabinet and springs.

## REQUIRED TOOLS

- Cordless Drill with #2 Phillips

## REQUIRED HARDWARE

- Hardware Card #2

### STEP 1

Check that the Bed Face Panel has equal clearance top to bottom on the left and right sides. If the Bed Cabinet is leaning to one side, nudge it at the floor level. E.g., if there is a wider gap along the top-left and bottom-right sides, move the bottom of the Bed Cabinet to the left to equalize the side reveals. If there is a wider gap along the bottom-left and top-right sides, move the bottom to the right.

Once the bed is level and square, you can now attach the “**Bed Cabinet Bottom Nailer**” in the same fashion as the top was previously attached. Two screws is sufficient, one on the far left and right stud locations.



**NEVER REMOVE THE SCREWS IN “BED CABINET TOP NAILER” FROM THE WALL WITHOUT FIRST REMOVING THE BED FACE PANEL. THE BED CABINET WILL COLLAPSE OTHERWISE.**



If the bottom of the cabinet can't be moved side-to-side (e.g. the bed is on carpet), you can first try sliding the bed on the provided wood shims. If that doesn't work you can adjust the top by **first removing the Bed Face Panel (see Chapter 8)** and then remove the Bed Cabinet Top Nailer from the wall. Prior to doing this, measure how far and in what direction the bed cabinet needs to shift in order to achieve alignment.

If you have any question, contact us (phone: **1-855-466-4781**, email: **service@bredabeds.com** or live chat: **<https://bredabeds.com>**) before doing anything.



If your reveals are even/consistent on each side, top-to-bottom, but you have a bigger gap on one side or the other, contact us for a remedy.

## STEP 2

To determine the proper tension, the mattress needs to be in place. The face assembly should raise and lower with about 10 pounds of pressure and bed legs should rest on the floor without lifting when bed is open.

- If the bed is too heavy to operate, springs must be added to achieve the proper balance. The easiest way to add springs

is to remove the Bed Face Panel (see the note on the previous page about removing the Bed Face Panel).

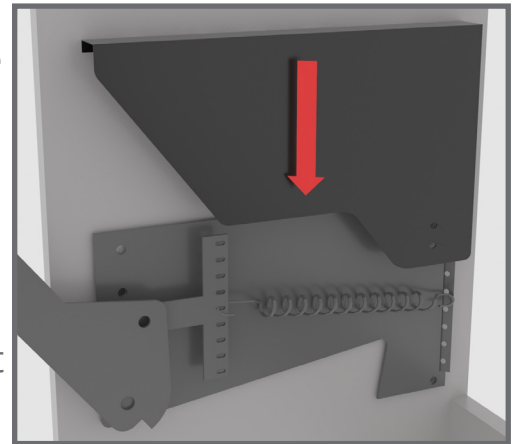
- If the bed lifts off the floor or slams shut, springs must be removed to achieve the proper balance. Springs can be removed by one of two ways: The Bed Face Panel can be removed, which is the recommended way (see the note on the previous page about removing the Bed Face Panel) or they can be removed or cut with bolt cutters from inside the bed cavity. To remove spring from inside the bed cavity, remove the mattress and have one person climb in near the mechanism, have the second person close the bed face assembly to relieve some of the spring tension. Once the spring is removed, re-test the tension.

## STEP 3

If the beds squeak during rotation, the pivot points can be lubricated with WD-40 or silicone spray. Once sprayed, you should open and close the bed several times to work in the lubricant.

Align the steel mechanism cover to the mechanism and then slide downward. The top of the cover will wrap around the mechanism with the two holes towards the bottom. In the bottom hole (the hole that aligns with the cylinder) insert a **wood screw from Hardware Card #2** to secure.

FIG. 7A - LEFT SIDE COVER



## STEP 4

The labels/stickers can now be removed from all parts. We use EZ peel-off labels for quick and residue free removal.

**DO NOT remove the warning label on the "Bed Cabinet Top Nailer".** The parts can be wiped clean with a damp cloth. Affix the clear sleeve envelope to the backside of the Bed Face Panel and store your instructions there for future use.



You may notice that you have extra hardware once assembly has been finished. This is normal, we provide extra hardware with each bed model as a convenience. Once assembled, you can safely discard this hardware.

**Now that assembly has been completed, we hope that your BredaBed will bring you many years of enjoyment! Contact us if you ever have any questions.**

# Chapter 8: How to disassemble the bed for moving.

## REQUIRED TOOLS

- Cordless Drill with #2 Phillips
- 1/2 Wrench or Adjustable Pliers
- #2 Phillips Screwdriver

## ESTIMATED TIME



30 Minutes

Note: This is an average time only, yours may vary.



**NEVER REMOVE THE SCREWS IN "BED CABINET TOP NAILER" FROM THE WALL WITHOUT FIRST REMOVING THE BED FACE PANEL. THE BED CABINET WILL COLLAPSE OTHERWISE.**



**DO NOT ATTEMPT TO PRY OFF THE MECHANISM ARM FROM THE FRAME WHEN THE MECHANISM ARM IS UNDER TENSION. ALWAYS FOLLOW THE STEPS BELOW IN THE CORRECT ORDER.**

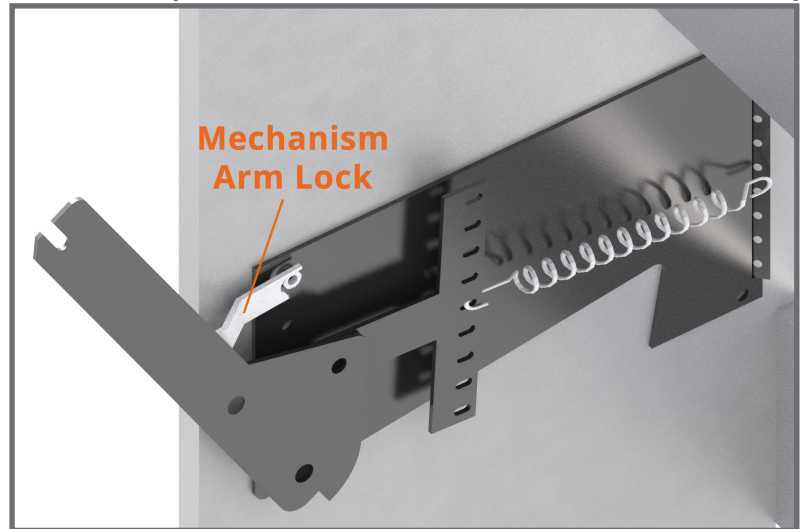


**RECOMMENDED:** For video instructions visit: [breda.us/remove](https://breda.us/remove)

## STEP 1

Rotate the Bed Face Panel outward in order to re-engage the mechanism Arm Locks. These are found on the sides bed frame and are near the mechanism, they are 3" long and have a partial circle on the end. The Arm Locks rest against the top corner Hex nut on the mechanism and are used to hold the Bed Face Panel outward.

LEFT SIDE (FACE PANEL NOT SHOWN FOR CLARITY)



## STEP 2

Once the Arm Locks are engaged, remove the bolts in Hole #2 (10 1/2" from the end of the metal frame) and loosen the bolts in Hole #3 (19 1/4" from the end of the metal frame). Rotate the Bed Face Panel outward towards you. You can now lift the Bed Face Panel off the mechanism arms.

## STEP 3

Remove the screws in Bed Cabinet Top Nailer and Bed Cabinet Bottom Nailer. Lay the Bed Cabinet flat onto the floor and loosen the cam locks with a #2 Phillips screwdriver. If needed, the Bed Face Panel can be unscrewed and taken apart. The holes in the drywall can be patched with drywall putty.