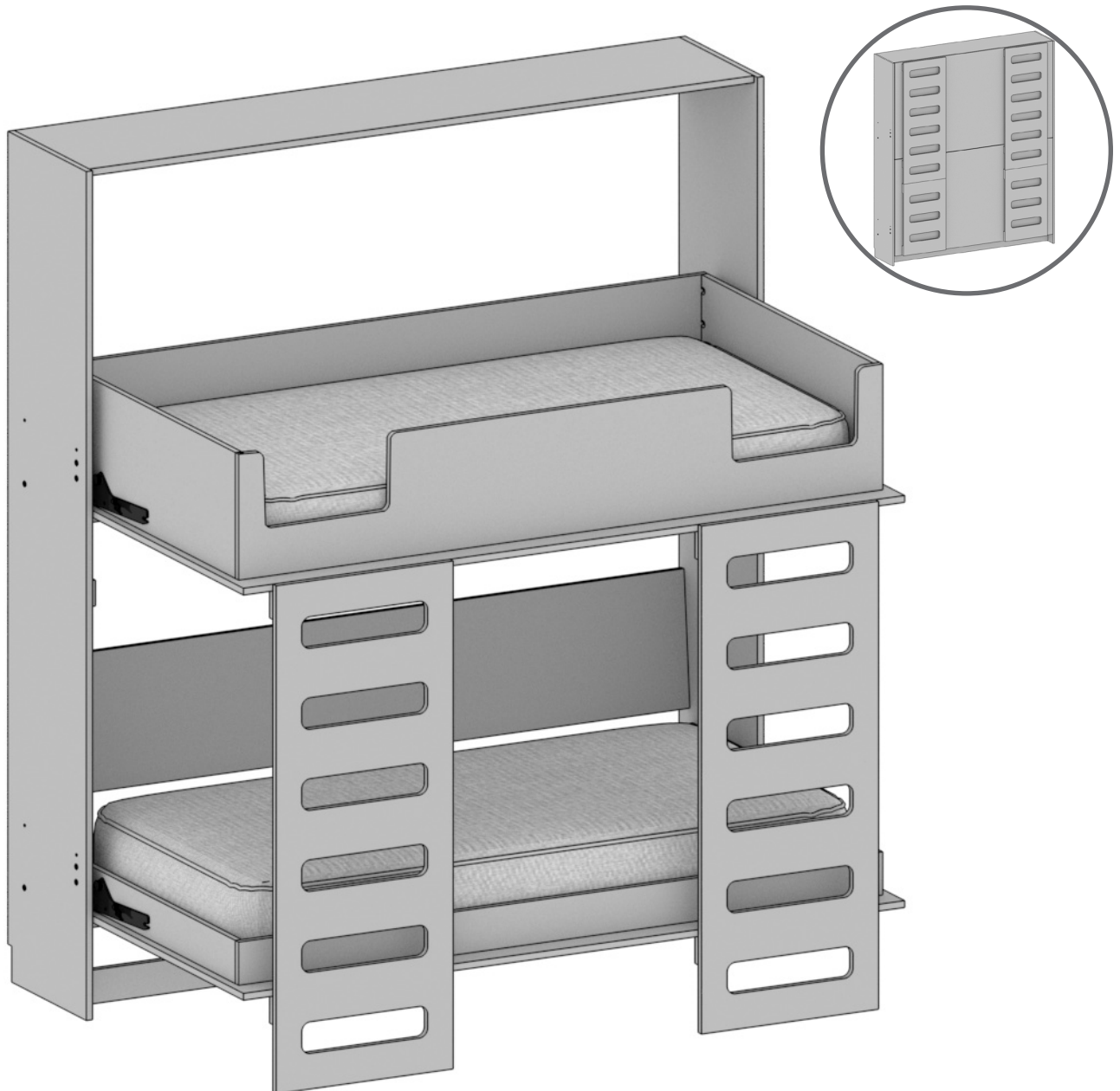


URBAN STACK BUNK BED

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



 **BREDA BEDS**
1127 N 39th Street
Nampa, Idaho 83687

Web: <https://bredabeds.com>
Email: service@bredabeds.com
Telephone: 1-855-466-4781

REVISION: B2|3.7
URB-SB
MAY 2020

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)

[y https://www.youtube.com/BredaBeds](https://www.youtube.com/BredaBeds)

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

TABLE OF CONTENTS

BredaBed Assembly Instructions Table Of Contents

Title	Page(s)
Warranty and Return Policies	3
IMPORTANT SAFETY INFORMATION - READ THIS FIRST	4
Assembly Tips	5
Unpacking Your BredaBed & Frequently Asked Questions	6
Troubleshooting	7
Parts List: Panels, Hardware Packages & Before You Begin	8-10
Chapter 1: Hardware insertion.	11-14
Chapter 2: Bed Cabinet assembly..	15-17
Chapter 3: Attaching the Bed Cabinet to the wall.	18-20
Chapter 4: Installing Top/Bottom Bunks.	21-25
Chapter 5: Final assembly and adjustment.	26-28
Chapter 8: How to disassemble the bed for moving.	29

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

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 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 Twin 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.

This can happen for several different reasons:

- The most common scenario happens before the bolt in hole B has been inserted. Before the bolt in hole B is inserted, the bed doors are pivoting on the bolt in hole A, then once that bolt is inserted and tightened, the doors will fully be attached to the mechanism arms, changing the pivot point further back inside the Bed Cabinet. If this matches your situation, remove the Toe Kick until assembly has been completed. Once completed, you can re-attach the Toe Kick by opening the bed and tightening the cams on the Toe Kick from the back side.
- The Toe Kick may have been attached upside down. The bottom of the Toe Kick should be flush with the bottoms of the sides. If there is a 1/4" difference, flip the Toe Kick around and tighten the cams.

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 5, Step 2.

The bed doesn't stay closed/open.

The mattress and bedding should be in place to determine the proper spring tension. See Chapter 5, Step 4 for spring adjustment. If the bed won't close all the way, check to make sure your mattress is no more than 11" thick on the bottom bunk and 8" on the top. You may have to move your pillows closer to the Leg End of the bed so that when closed, the pillows will be higher than the headboard which sits at an angle to minimize the gap between the wall and mattress.

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 nailers 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.**

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

Light gauge steel studs: Stack the screws provided so each stud has 2 screws separated by at least an inch of vertical spacing.

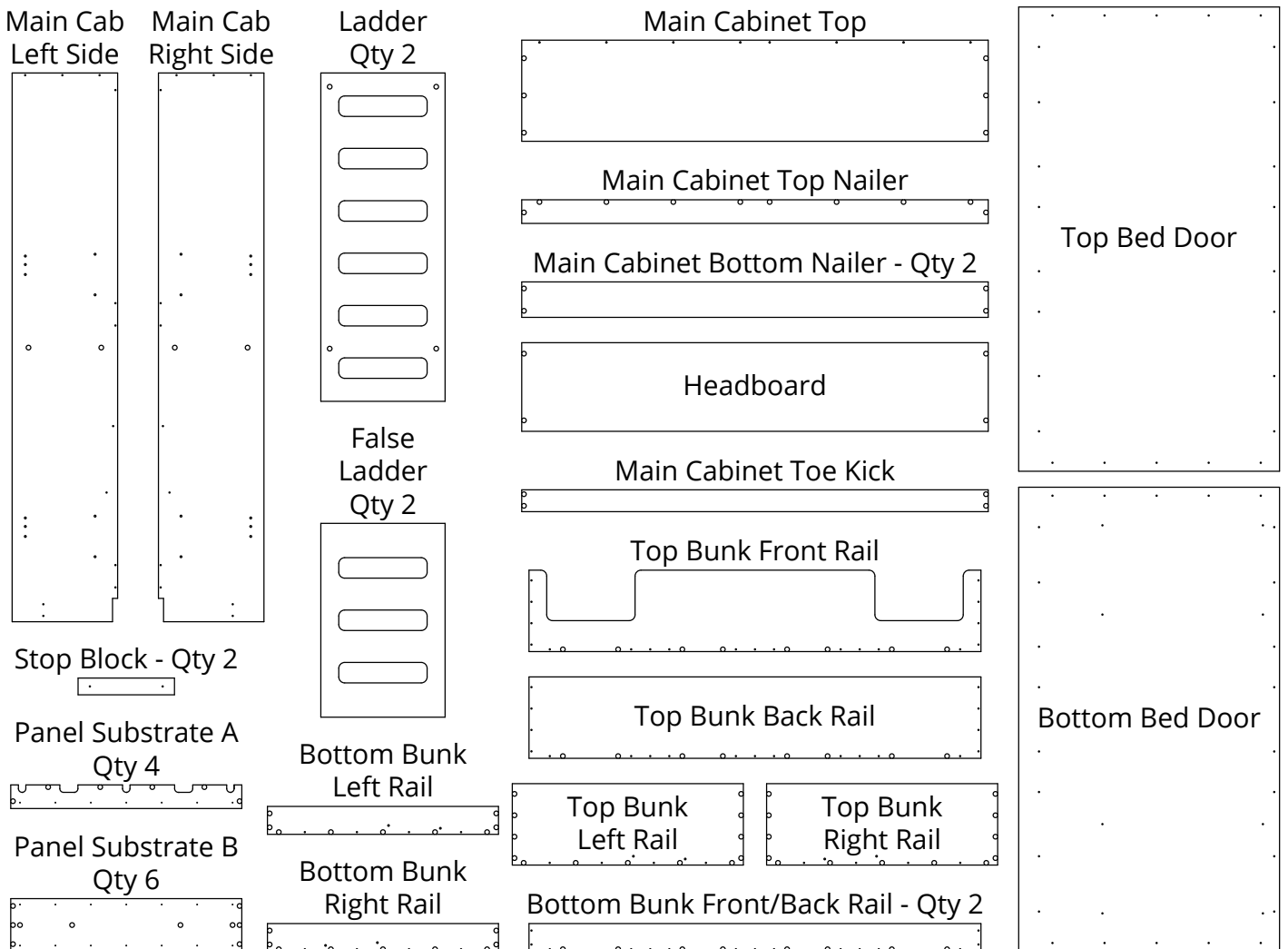
Heavy gauge steel studs: Follow the directions above for light gauge steel studs, but use #8 x 2 1/2" (or greater) self-taping sheet metal screws.

Masonry: **Contact us to discuss attachment.**

PARTS LIST: PANELS

Bed Cabinet Panel List

<input type="checkbox"/> Bed Cabinet Left Side	<input type="checkbox"/> Bottom Bunk Left Rail	<input type="checkbox"/> Top Bunk Front Rail
<input type="checkbox"/> Bed Cabinet Right Side	<input type="checkbox"/> Bottom Bunk Right Rail	<input type="checkbox"/> Top Bunk Back Rail
<input type="checkbox"/> Stop Block (Qty 2)	<input type="checkbox"/> Bed Cabinet Top	<input type="checkbox"/> Top Bunk Left Rail
<input type="checkbox"/> Panel Substrate A (Qty 4)	<input type="checkbox"/> Bed Cabinet Top Nailer	<input type="checkbox"/> Top Bunk Right Rail
<input type="checkbox"/> Panel Substrate B (Qty 6)	<input type="checkbox"/> Bed Cab Bottom Nailer (Qty 2)	<input type="checkbox"/> Bottom Bunk Front/Back Rails
<input type="checkbox"/> Ladder (Qty 2)	<input type="checkbox"/> Headboard	<input type="checkbox"/> Top Bed Door
<input type="checkbox"/> False Ladder (Qty 2)	<input type="checkbox"/> Bed Cabinet Toe Kick	<input type="checkbox"/> Bottom Bed Door



HARDWARE PACKAGES

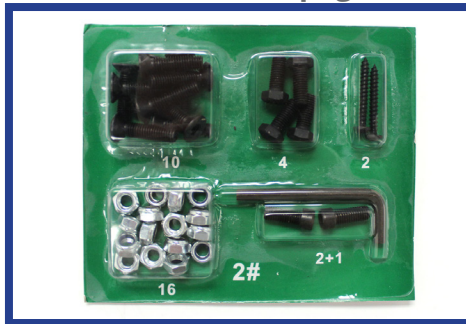
You will have 2 boxes of hardware, the following images are color-coded for each box:

- **Orange** outline: Hardware can be found inside the small white or brown box.
- **Blue** outline: Hardware can be found inside the box "Spring Closure Assembly".

Package #1
Cam Screws
breda.us/B2/pkg1



Card #2
Mechanism Hardware
breda.us/B2/pkg2



Package #6
Cams Fitting
breda.us/B2/pkg6



Package #9
Pulls & 1" Screws
breda.us/B2/pkg9



Package #10
Miscellaneous
breda.us/B2/pkg10



Package #17
Splines Screws
breda.us/B2/pkg17



Package #27
1" Adjustable Screws
breda.us/B2/pkg27



Package #28
Piano Screws
breda.us/B2/pkg28



Package #29
Carriage Nuts & Bolts
breda.us/B2/pkg29



 To see a larger view of the images, visit: breda.us/B2/pkg# where # is the package number, for example: 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: 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



FIG. A



FIG. B

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.

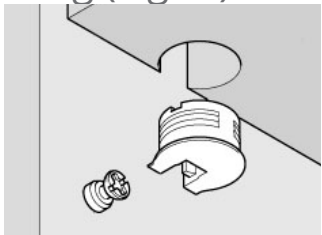


FIG. C



FIG. D



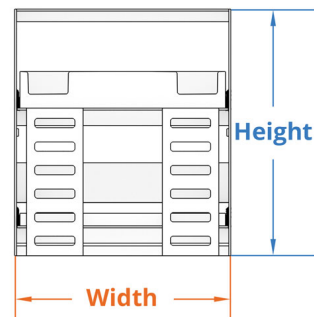
Turn cam fittings clockwise until snug, being careful not to over-tighten which can cause breakage.

PREPARING THE WORK AREA

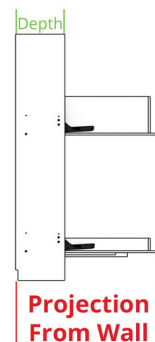
Use the dimensions below to clear a wall area where the bed be attached. The middle of the room should also be clear and you should have all parts, hardware and tools in your work area.

Mattress	Width	Height	Depth	Projection From Wall
Twin	81"	93"	18"	53"
Twin X-Long	86"	93"	18"	53"

Front View



Side View



Chapter 1: Hardware insertion.

REQUIRED TOOLS

- Rubber Mallet
- Cordless Drill with #2 Phillips
- 1/2" Socket
- Allen Wrench (Hardware Pkg #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 panels on floor and insert cam screws from Hardware Package #1 in holes marked with a **red** circle using a cordless drill.

STEP 2

Attach the mechanisms to the panels as shown in Fig. 1B using qty 6 30mm bolts and qty 5 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. 1B

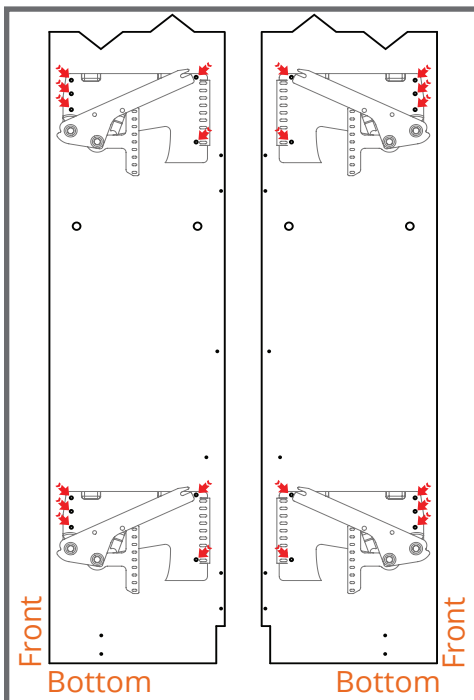
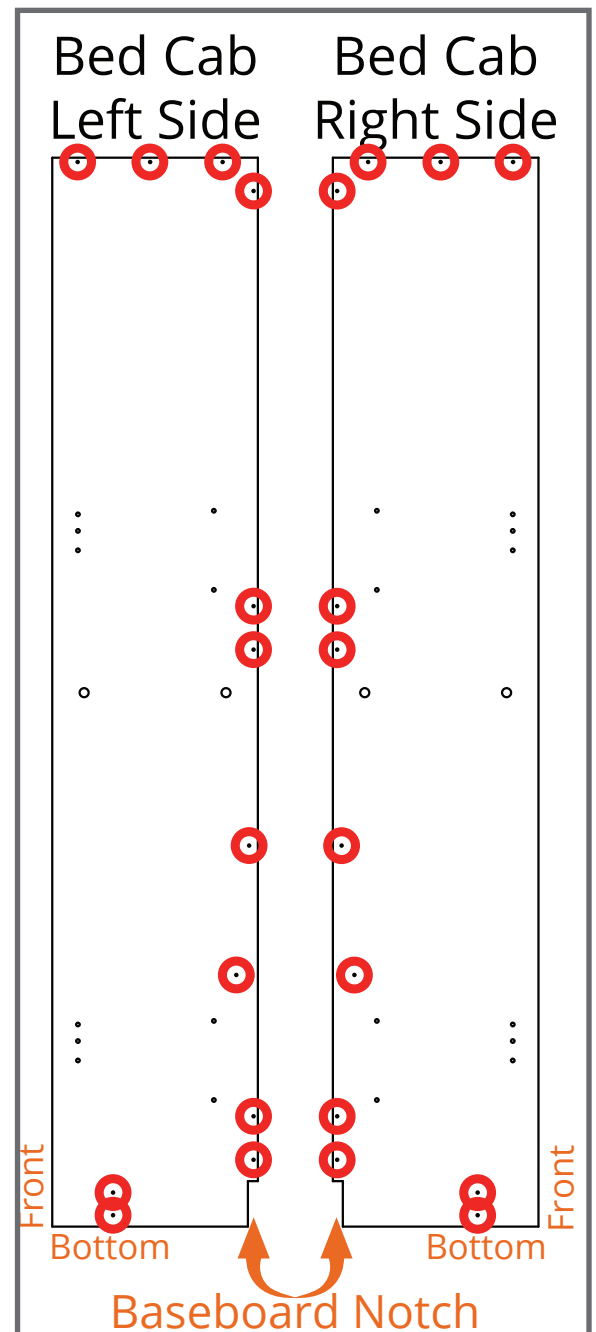


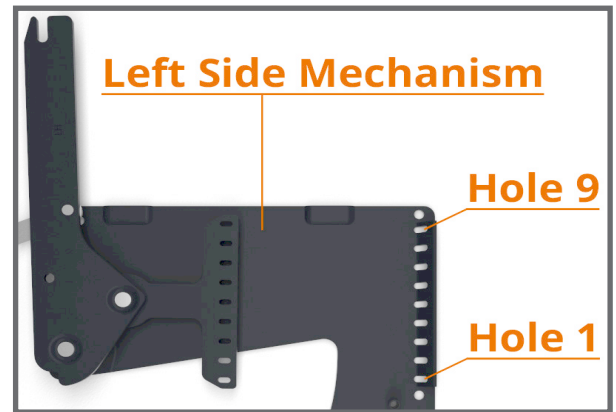
FIG. 1A



STEP 3

There are 9 Spring locations. Referring to the spring application chart and Fig. 1C-1F, 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. 1C

**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)

*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. 1D

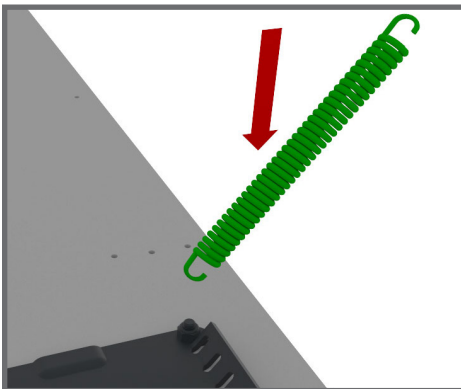


FIG. 1E

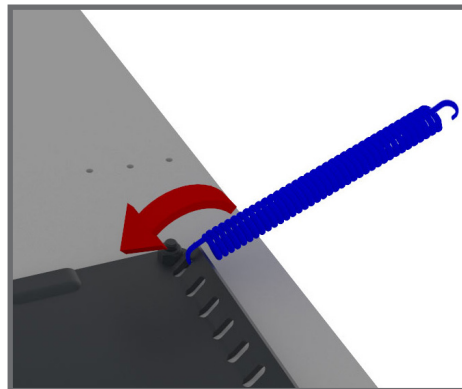
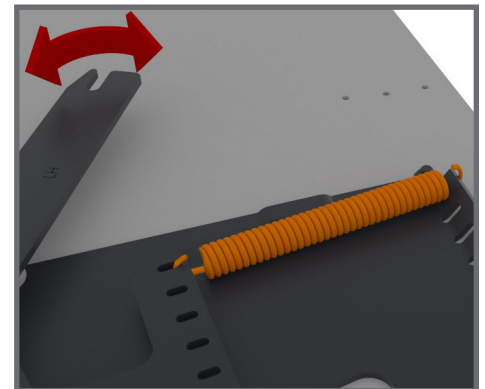


FIG. 1F



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.

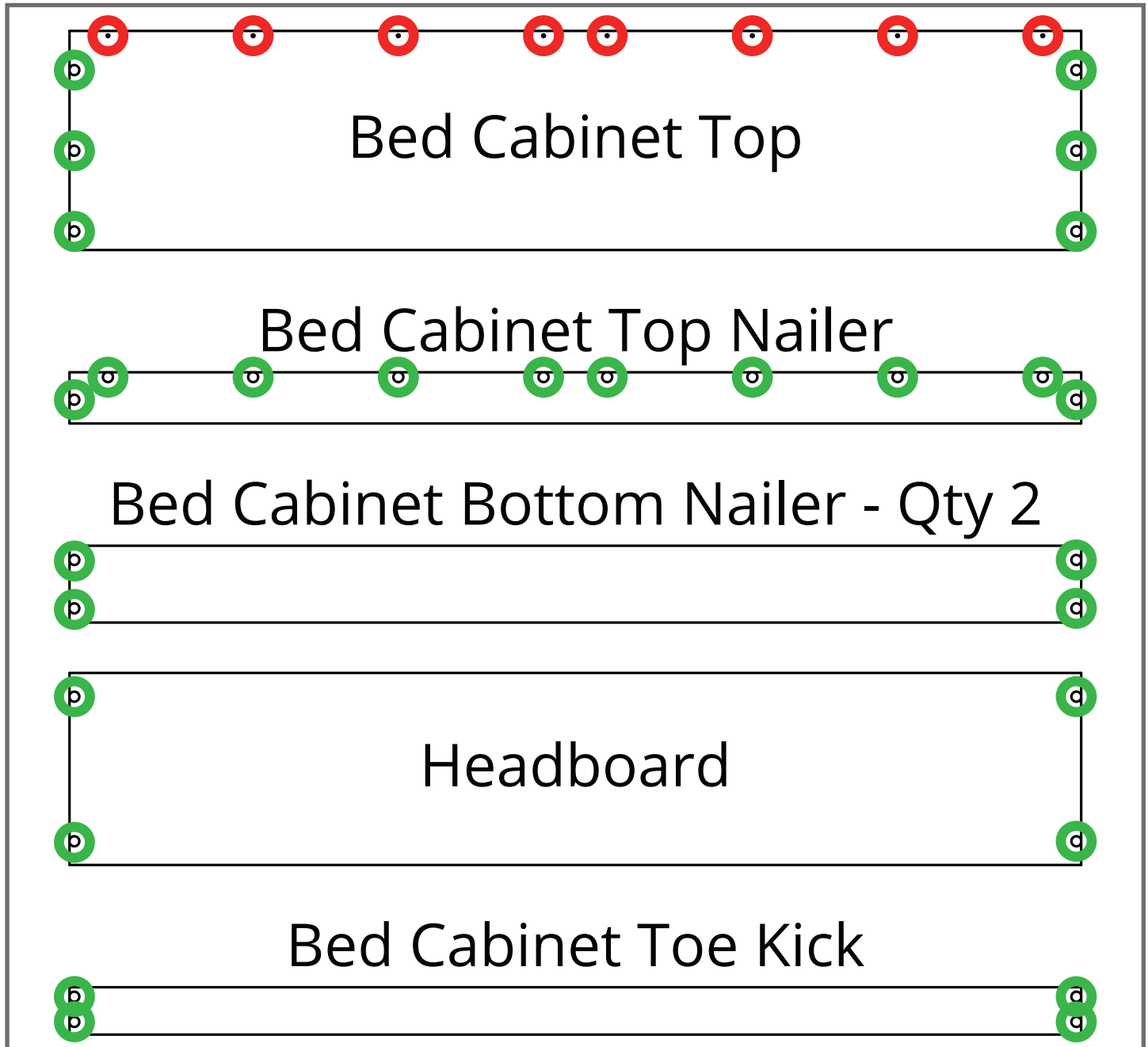


For video instructions of this specific step, visit: breda.us/springs

STEP 4

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

FIG. 1G

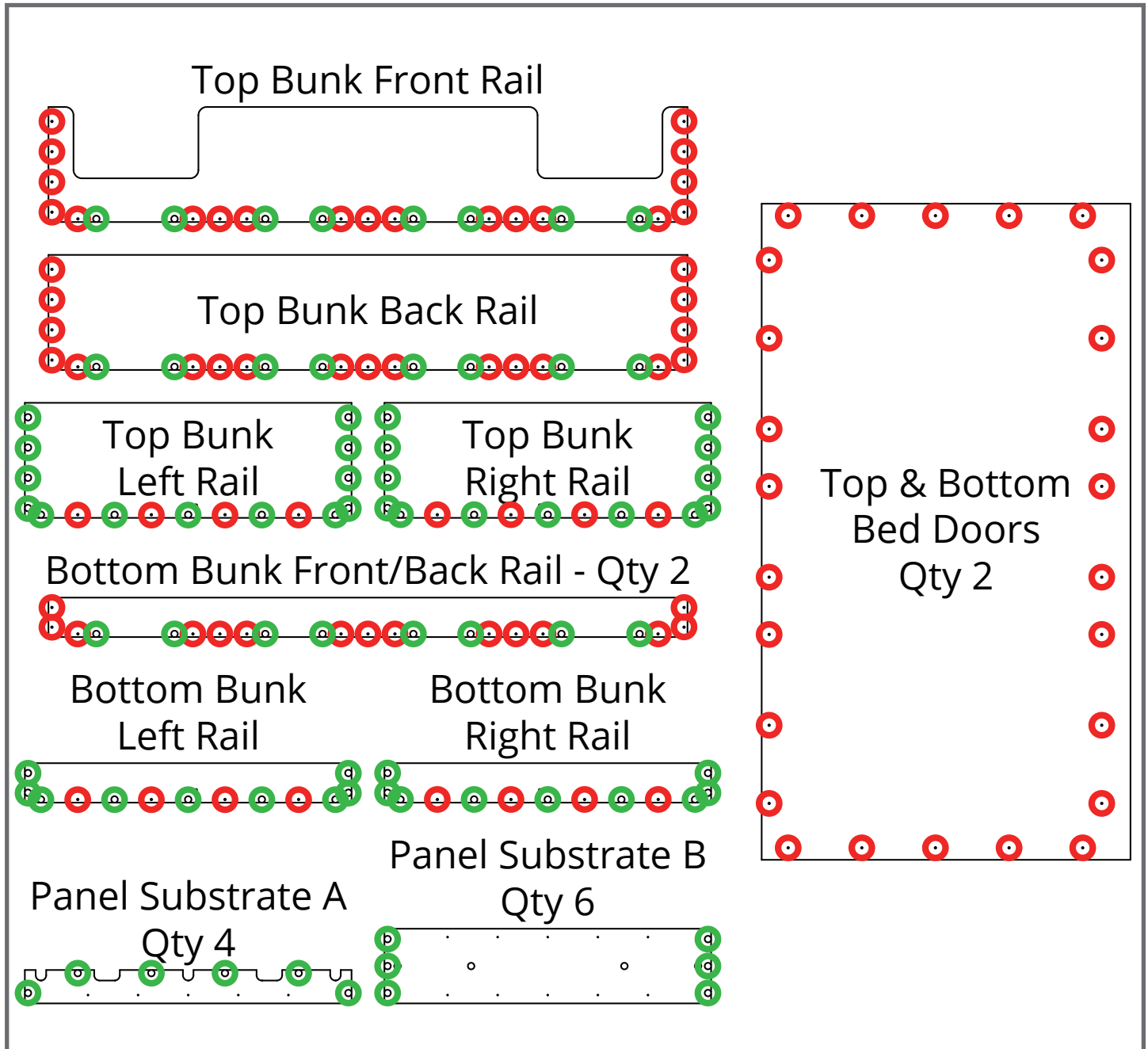


When inserting cam fittings, place the panel on a flat, solid surface so that the force of the mallet is distributed evenly to the underlying surface.

STEP 5

Referring to Fig. 1H, lay parts on floor and insert cam screws from Hardware Package #1 in holes marked with a **red** circle using a cordless drill and insert cam fittings from Hardware Package #6 in holes marked with a **green** circle using a rubber mallet.

FIG. 1H



The parts in the figure above can be set aside as they won't be needed for several chapters.

Chapter 2: Bed Cabinet assembly.

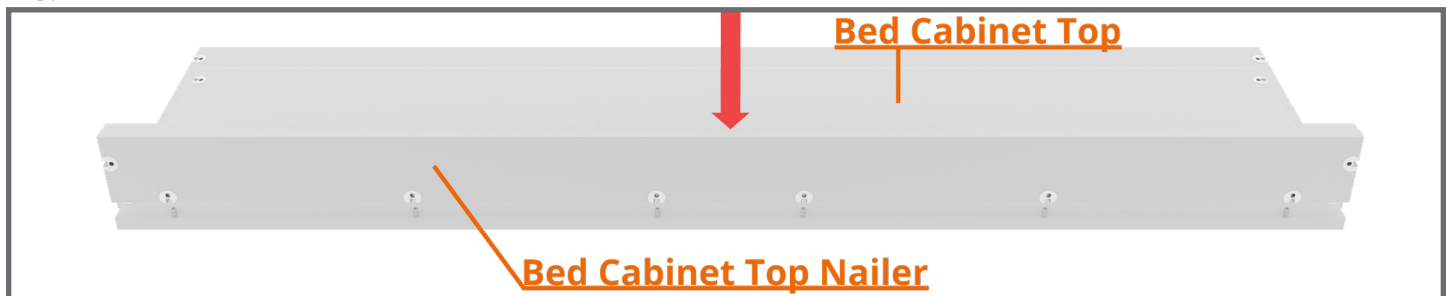
REQUIRED TOOLS: #2 Phillips screwdriver

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 if the edges don't align (the cams are offset to one side).

FIG. 2A



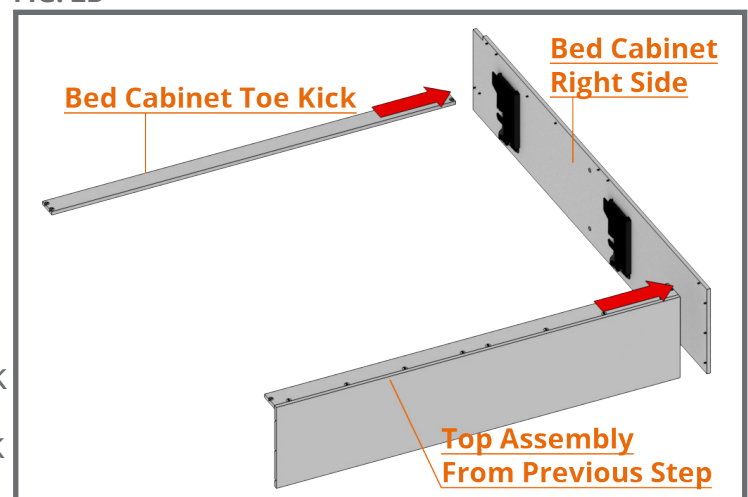
CAM FITTINGS/SCREWS ARE OFFSET TO PREVENT THE TOP NAILER FROM BEING INSTALLED BACKWARD. FROM THE VIEW ABOVE THE CAMS ARE FACING THE CAMERA. ONCE ASSEMBLED, THESE WILL FACE THE WALL THE BED WILL ATTACH TO AND NOT BE VISIBLE. DO NOT RE-DRILL HOLES IF THE CAMS DO NOT ALIGN.

STEP 2

Position the "**Bed Cabinet Right Side**" on its 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).

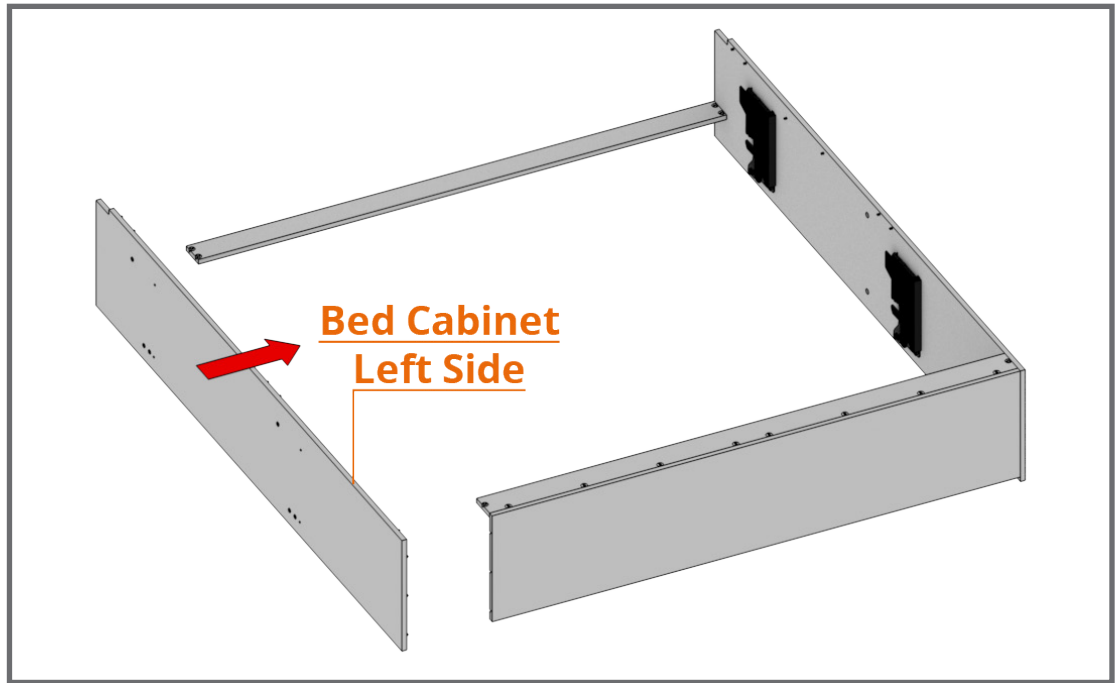
FIG. 2B



STEP 3

Slide “**Bed Cabinet Left Side**” in direction of arrow and tighten all cam fittings.

FIG. 2C

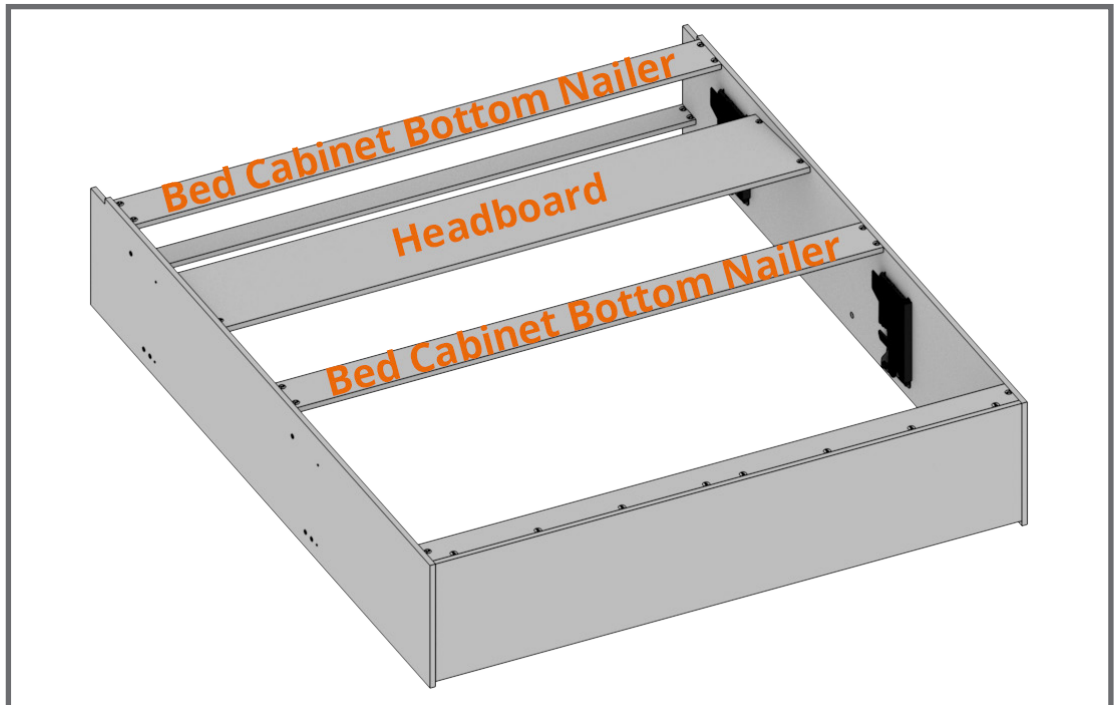


STEP 4

Attach “**Headboard**” and both “**Bottom Nailers**” as shown and tighten cam fittings.

The Headboard will normally sit at a slight angle.

FIG. 2D



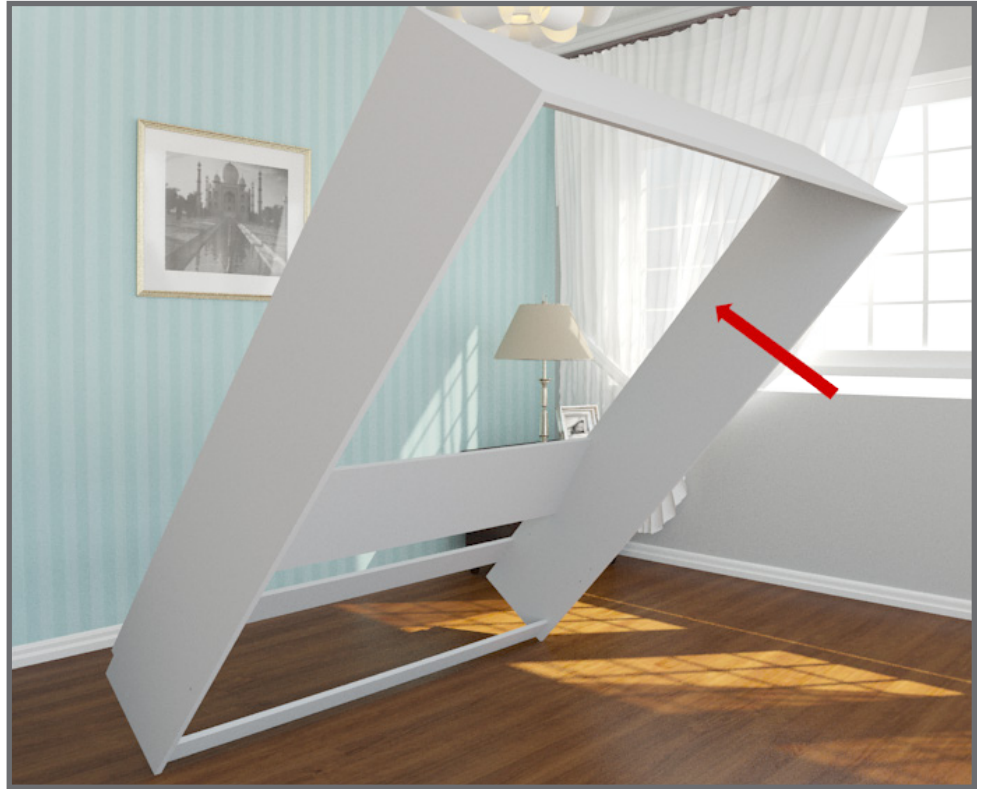
From the perspective shown, Cam fittings on these parts should be facing up, and tighten from the top side. If assembling vertically, these cam fittings should face the wall the Bed Cabinet will attach to. Once assembled, cam fittings on these parts should not be visible.

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 PAGE 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/Bottom Nailers, 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
- #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.

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 1/8" drill bit at each stud center and slightly countersink with a countersink bit or 3/8" drill bit.

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. DRYWALL ANCHORS OR TOGGLE BOLTS INTO DRYWALL ONLY ARE NOT ADEQUATE.

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



The instructions in this booklet are for attaching a bed to wood wall studs. If your wall backing varies from this, use appropriate connections. See the Troubleshooting section on Page 7.



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



"Bed Cabinet Bottom Nailers" will be attached later (Chapter 5, Step 3).

Chapter 4: Installing Top/Bottom Bunks.

REQUIRED TOOLS

- #2 Phillips screwdriver
- 1/2" Socket & Wrench

REQUIRED HARDWARE

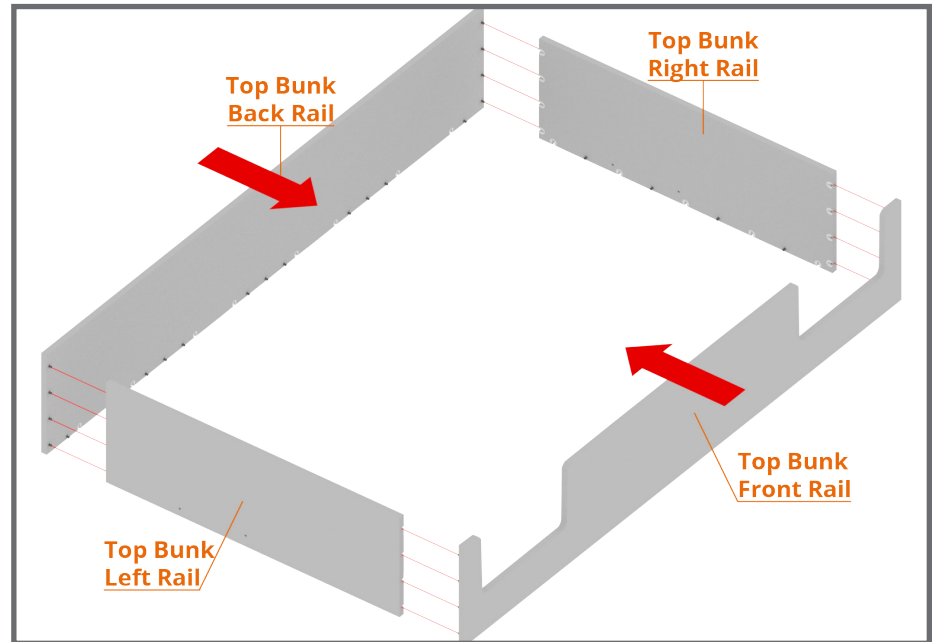
- Hardware Card #2
- Hardware PKG #9, #17, #27 & #29

STEP 1

Begin by laying out the rail parts for the Top Bunk in front of the Bed Cabinet wall unit. Parts are named with the orientation as viewed from the front.

Tighten all connecting cam fittings. Panels must attach exactly as shown in the illustration.

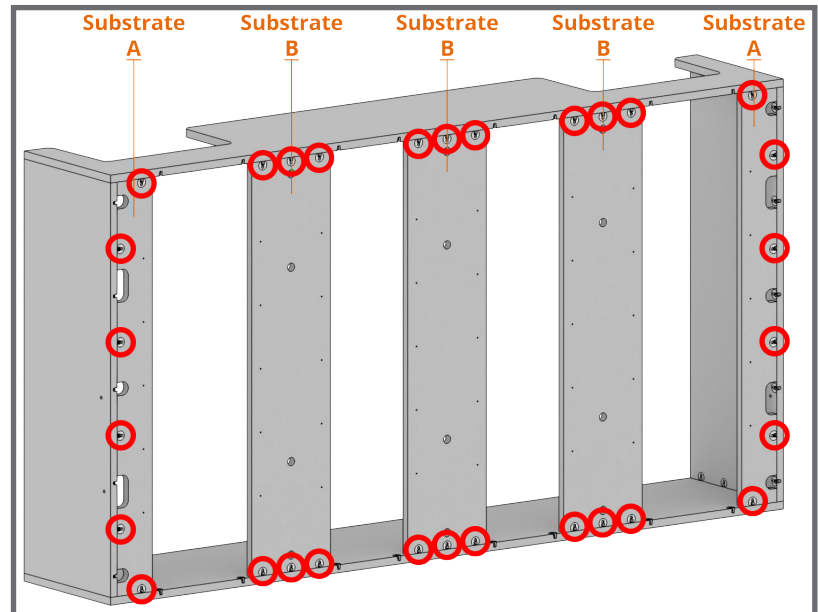
FIG. 4A



STEP 2

Tip the bunk unit (from previous step) on the back edge and insert the Substrate A and B panels as shown in the figure to the right.

FIG. 4B



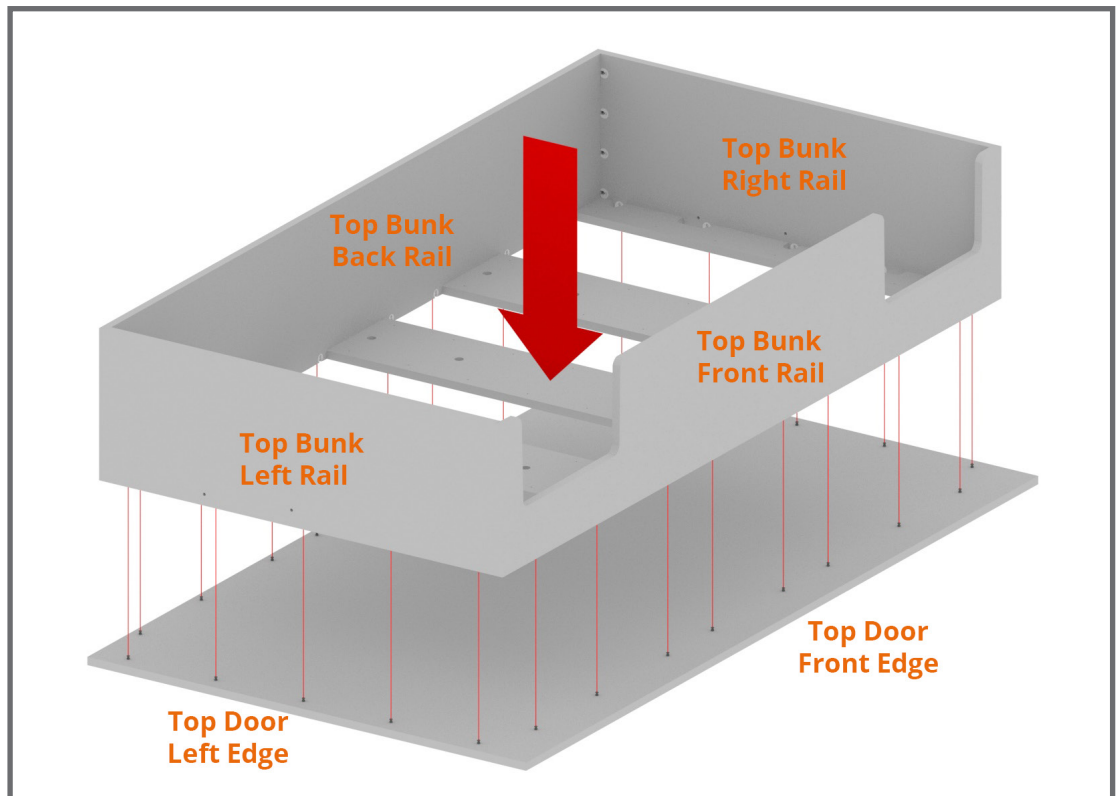
All substrate panels must install in the direction as shown. Cam fittings on these pieces MUST face down on these pieces once installation is finished.

STEP 3

Lay the top door on a soft surface (blanket, carpet, rug, etc.) with the cam screws face up, then lay the bunk unit onto the door. Tighten all connecting cam fittings.

The holes are offset closer to the back edge/back rail.

FIG. 4C

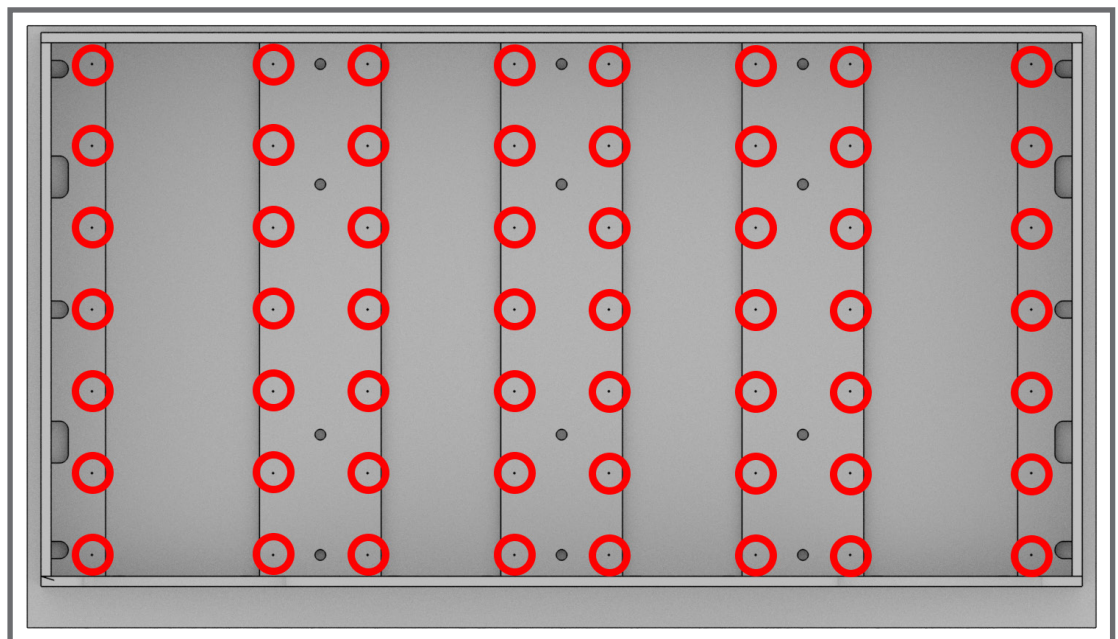


Be sure to use the door used on this step is marked **“Top Door”**. Using the door marked **“Bottom Door”** on this step will lead to incorrect alignment.

STEP 4

Using Hardware Package #17, insert a screw through all pre-drilled holes in the Substrate A & B panels. There are 56 screws in this step, make sure to put a screw in all 56 holes

FIG. 4D



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 PAGE WITHOUT FIRST VERIFYING THE FOLLOWING:

Is the bed securely attached to the wall?

Review Chapter 3, Step 4 and the warnings on that page.

Are all cam fittings locked?

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

Are all parts installed the correct direction?

Cam fittings should always face the same direction as shown in the illustrations. Review the illustrations on the previous two pages for part names and panel orientation.

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.



For video instructions of these steps, visit: breda.us/face

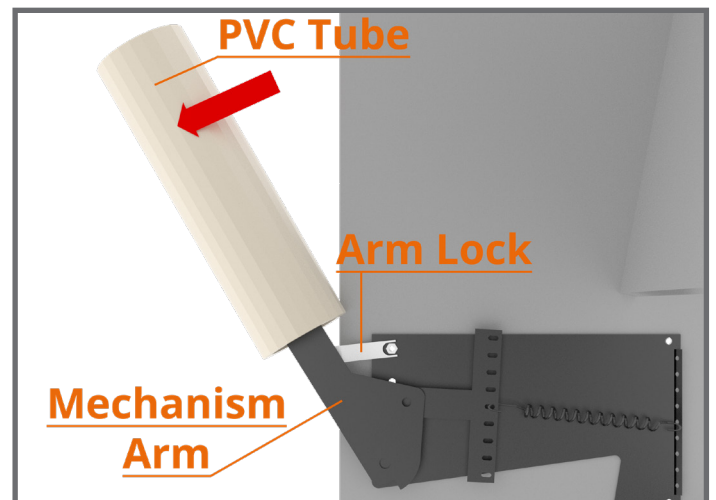
STEP 5

Slide the PVC tube over the top bunk mechanism arms and pull outward to engage the arm lock on the T-Nut as shown in Fig. 4E.



The mechanism arm will have a considerable amount of tension, this is normal. The arms may appear to be slightly bent, which is also normal.

FIG. 4E - LEFT SIDE SHOWN





The bolts for Holes A and B will attach from the inside of the panel/frame. In other words, the bolt heads will be on the inside of the panel/frame and the nuts will go on the outside of the panel/frame.

STEP 6

Referring to Fig. 4F, insert a bolt from Hardware Card #29, through the inside of **Hole A** and thread on a nut from Hardware Card #29, **only finger tight** at this time. Repeat for opposite side.

FIG. 4F - LEFT SIDE VIEW OF TOP BUNK

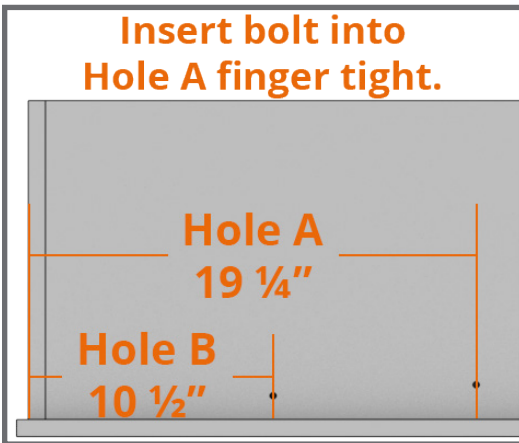


FIG. 4G - SEEING THROUGH LEFT SIDE

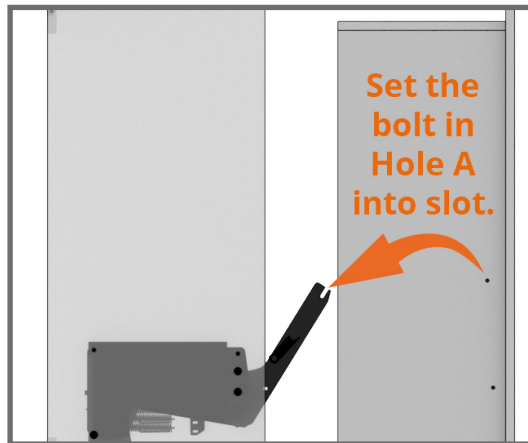
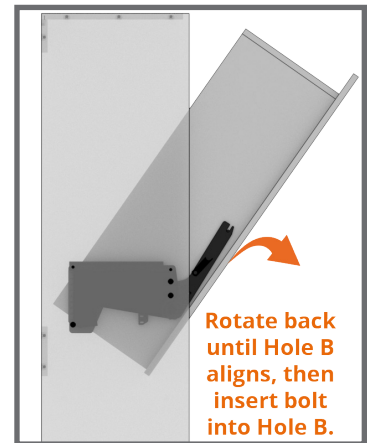


FIG. 4H - ROTATED BACK



STEP 7

1. Referring to Fig. 4G, stand the Top Bunk in a vertical position and with at least 2 people, lift it between the mechanism arms, lifting until the bolt in **Hole A** drops in the slotted portion of each mechanism arm.
2. Gently tilt the Top Bunk outward toward you until **Hole B** aligns with the hole on the mechanism arm.
3. Insert a bolt from Hardware Card #29 into **Hole B** on each side and thread on nuts from Hardware Card #26. Securely tighten these nuts and the nuts on **Hole A** with the 1/2" Socket and wrench.

Securely tighten these nuts and the nuts on **Hole A** with the 1/2" Socket and wrench.

Verify the bolts in Holes A and B have been inserted and secured on each side (4 bolts total).

Tilt the Bed Face Panel outward (to approximately 45 degrees) to release the mechanism arm locks. You may hear a click as they disengage.



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.



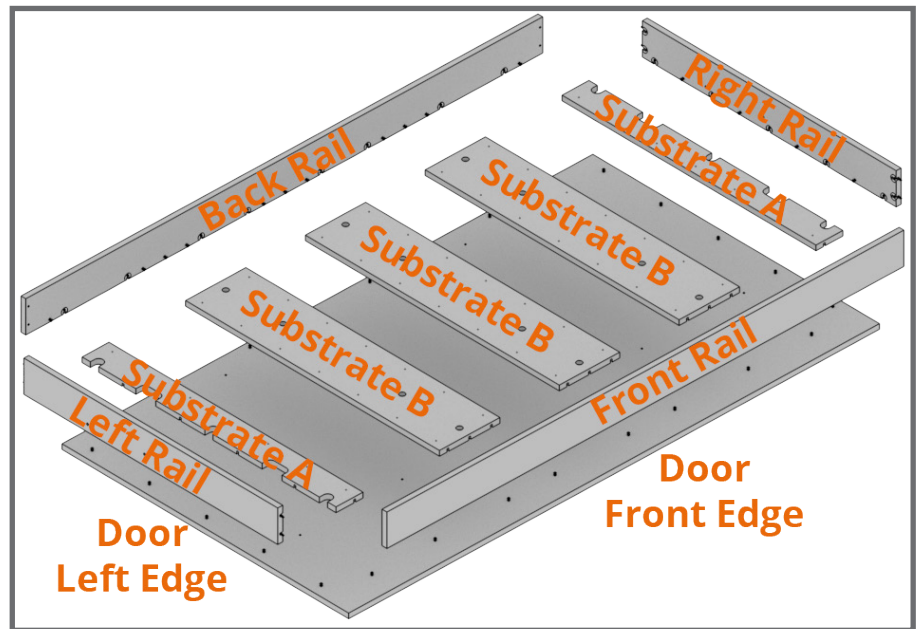
DO NOT ATTEMPT TO PRY OFF THE MECHANISM ARM FROM THE FRAME WHEN THE MECHANISM ARM IS UNDER TENSION. IF YOU NEED TO REMOVE THE FRONT, ALWAYS RE-ENGAGE THE ARM LOCKS. SEE CHAPTER 6, STEPS 1 & 2.

STEP 8

Repeat 1-4 in this chapter to make the Bottom Bunk and review the safety checklist.

Substrate pieces should face down and tighten from the bottom.

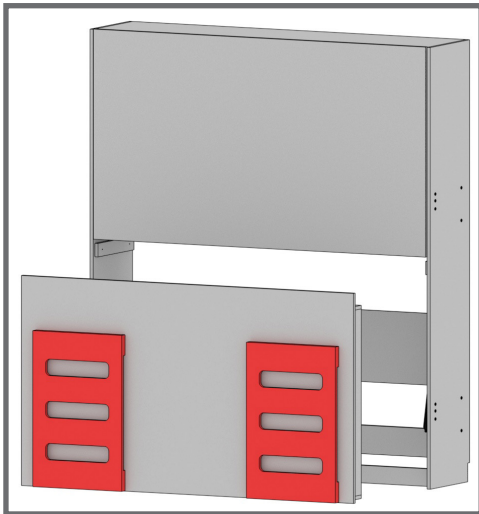
FIG. 4I



STEP 9

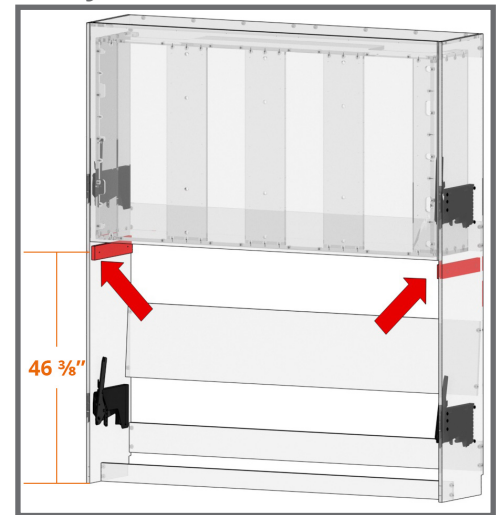
Install “**Stop Blocks**” on the inside of the Bed Cabinet (shown in red in Fig. 4J) with screws from Hardware Card #27, located $46 \frac{3}{8}$ ” from floor. These blocks stop the rotation of the Bottom Bunk. **Do not tighten the screws fully** as these will be adjusted later.

FIG. 4K



Tip up the Bottom Bunk onto the back edge and install the “**False Ladders**” onto the front (shown in red in Fig. 4K) with screws from Hardware Card #27, located $3 \frac{1}{2}$ ” from each edge. **Do not tighten the screws fully** as these will be adjusted later.

FIG. 4J



STEP 10

STEP 11

Repeat 5-7 in this chapter to attach the Bottom Bunk onto the bottom mechanism arms. With both bunks installed you can place the mattresses in the bunk frames which help balance the spring tension. Exact balance will be covered in the next chapter.

Chapter 5: Final assembly and adjustments.

REQUIRED TOOLS

- Cordless Drill

REQUIRED HARDWARE

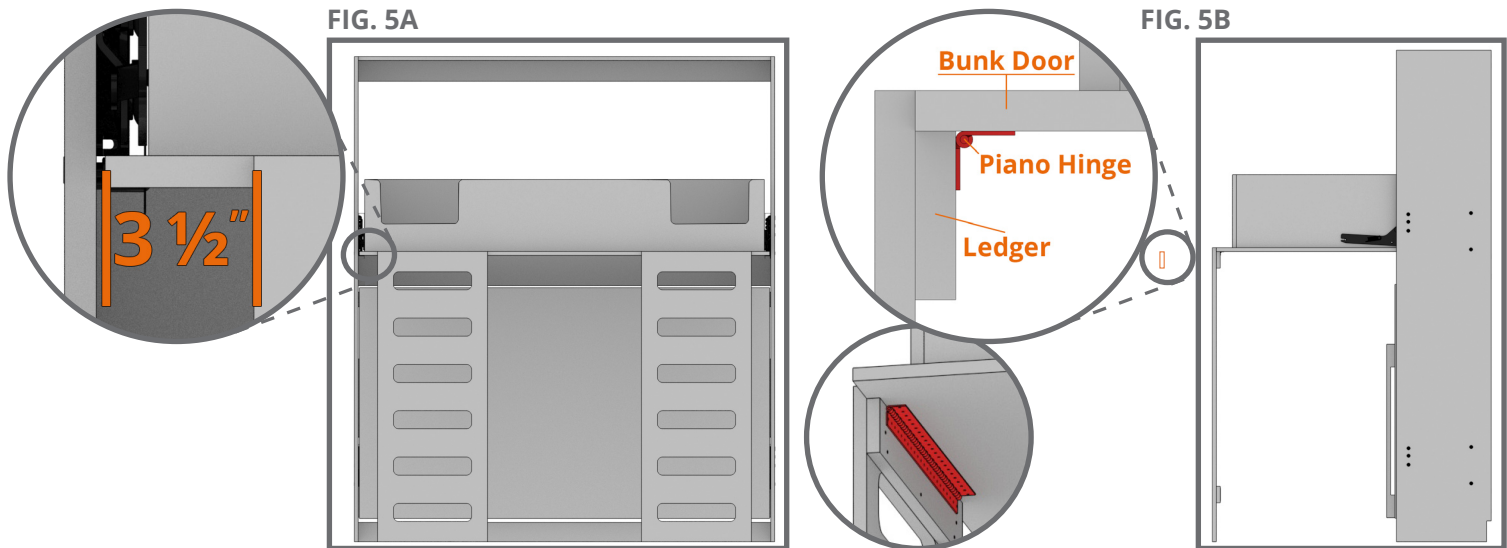
- Hardware Card #2
- Hardware Card #28
- Mattress Strap

STEP 1

- With 2 people and the Bottom Bunk in the closed position, open the Top Bunk 90 degrees.
- Referring to Fig. 5A & 5B, place a ladder 3 ½" from the edge of the Top Bunk door to the edge of the ladder. The Top Bunk door will sit directly on the ledger on the backside of the ladder.
- Referring to Fig. 5B, use the piano screws from Hardware Card #28 to attach the piano hinge to the bunk door. When attaching, make sure the back of the ladder firmly pressed against the door.

#28 to attach the piano hinge to the bunk door. When attaching, make sure the back of the ladder firmly pressed against the door.

- Once both ladders are attached to the Top Bunk, repeat these steps to attach the Bottom Bunk.



Ladders have a top and bottom. The top has a ledger (outlined in orange in Fig. 5B) that is 3/4" back from the edge.

STEP 2

The stop blocks and false ladders attach using eccentric adjusters. Align the false ladders with the ladders above, then tighten the screws to secure in place. Similarly, adjust and secure the stop blocks so the Bottom Bunk closes in alignment with the Top Bunk.

STEP 3

Check that the bunk doors have 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 both Bottom Nailers to the wall in the same fashion as the top was previously attached.

STEP 4

To determine the proper tension, the mattresses need to be in place. The bunk doors should raise and lower with about 10 pounds of pressure and ladders should rest on the floor without lifting when bed is open.

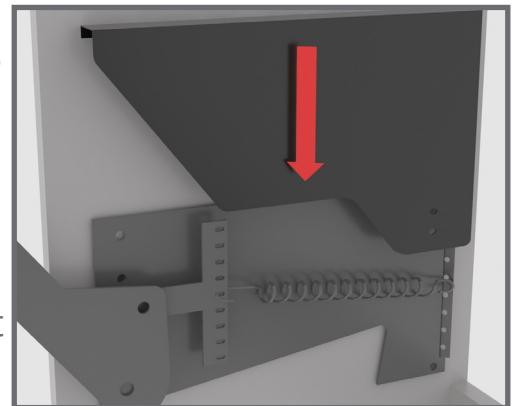
If the bed is too heavy to operate, springs must be added to achieve the proper balance. The easiest way to add springs is to remove ladders and remove the bunk to release mechanism tension.

If the bed lifts off the floor, springs must be removed to achieve the proper balance. Springs can be removed by one of two ways: The ladders and bunk can be removed, or springs can be 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 bunk assembly to relieve some of the spring tension. Once the spring is removed, re-test the tension.

STEP 5

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 **1 black wood screw (#8 x 1 1/2")** from **hardware card #2** to secure.

FIG. 5C - LEFT SIDE COVER**STEP 6**

Attach the Velcro straps for securing the mattress and bedding. Attach near the midpoint of the ladder/long side and about 6" in from the rails by inserting a screw and washer through one end of the Velcro strap and into the back side of the Bed Face Panel.

STEP 7

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 Bottom Bunk 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 6: How to disassemble the bed for moving.

REQUIRED TOOLS

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

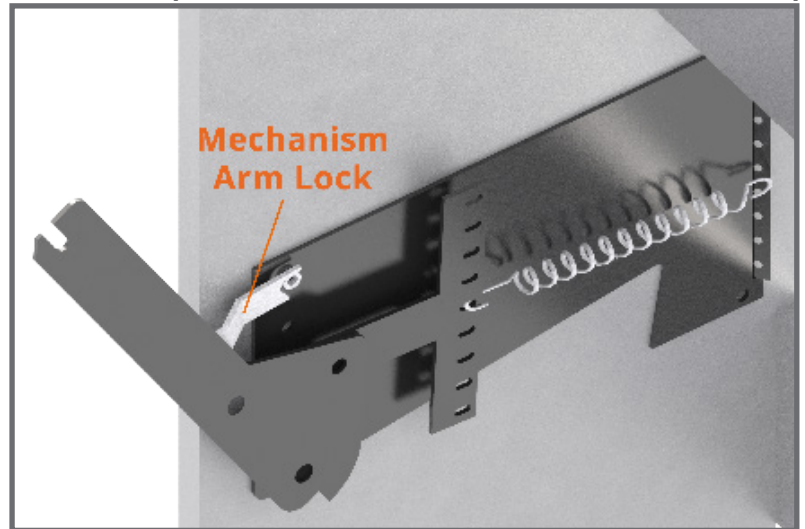


RECOMMENDED: For video instructions visit: breda.us/remove

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 #1 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.