

# Alpha Murphy Bed



It's like having your own shop!

**Assembly Instructions**

**Questions call 501.753.9699**

Designed to exceed International ISO 9002  
Standards for Residential Specifications

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# Unpacking Your Bed

Remove all boxing, foam, and shrink wrap and make sure all components are there. Each customer piece will vary but in general you should have:

**Do not throw away packaging until you are complete** (smaller items could be lost in packaging)

- 2- Verticals
- 1-Top panel/Header
- 1-Headboard
- 1-Center Section
- Package of screws
- Extras may include:
  - Crown or base molding
  - Bookcases (adjustable shelves will be packed separately)
  - Desk

## Tools Needed

- Power drill
  - 3/16" drill bit
  - Phillips bit
- 1/2" wrench
- 1/2" socket
- Stud Finder
- Tape Measure

## Step 1: Assemble the Bed Cabinet

- If possible, the Bed Cabinet should be assembled in the room where it will be used.
- Be sure Lift Mechanisms are securely installed.

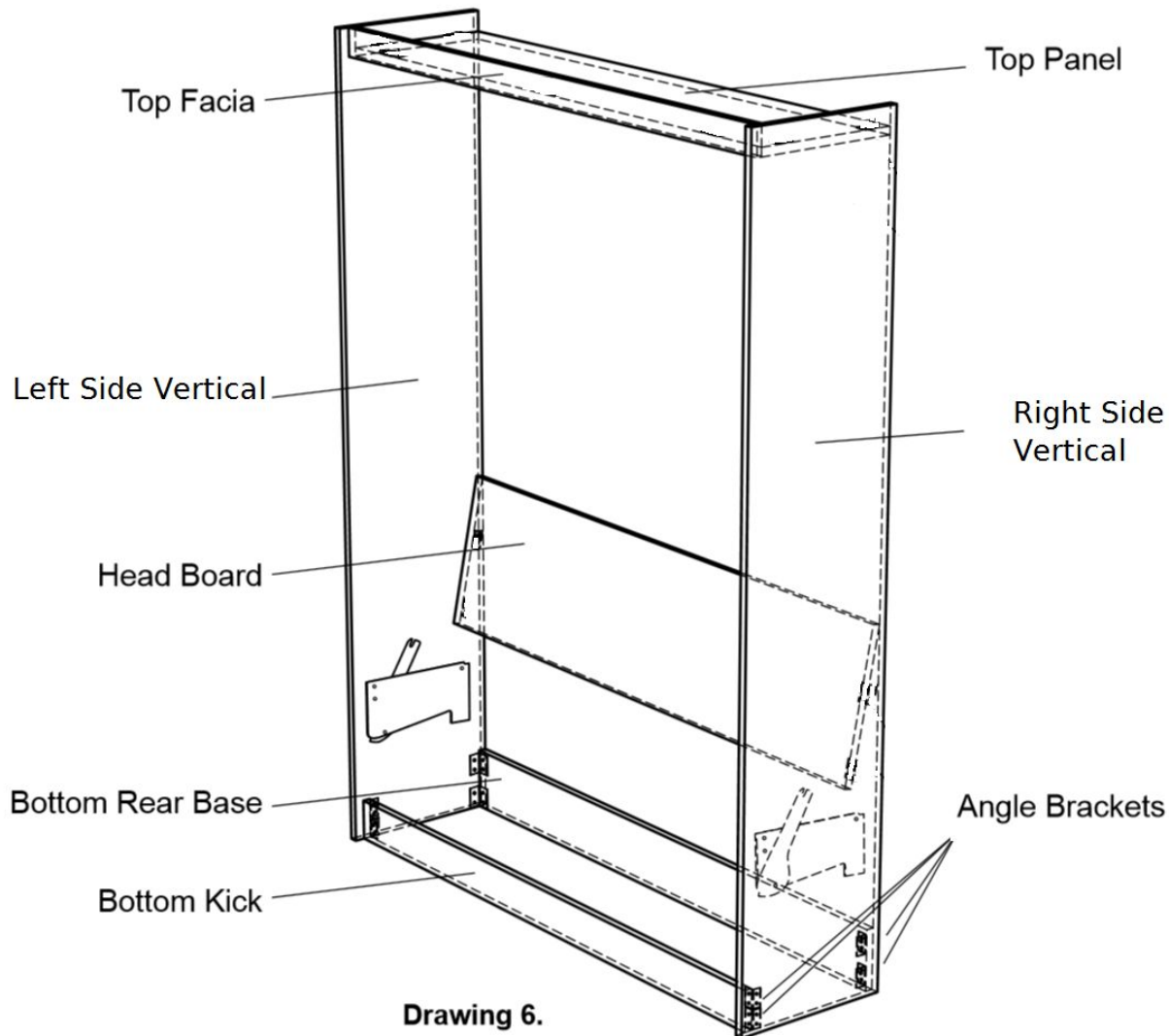
### 1-1: Headboard installation

Insert the headboard dowels into the ends of the headboard (two on each side). No need to measure we've taken that step out of you. With the pocket screw holes facing toward the back, insert the headboard dowels into the side of the verticals. Secure with 1 1/2" screws (4 each side).

1-2: Use Angle Brackets to assemble Bottom Rear Base and Bottom Kick in position shown in Drawings 6 & 7. Use two Angle Brackets on each end. Attaching using supplied 3/4" screws. (Brackets may be different than in drawing)

*-NOTE: Your position of the front molding may be different than shown in the drawing depending on your application.*

1-3: Attach header as shown in Drawings 6 & 7. Be sure back edge of the header is flush with the front of Side Panels and the top. Attach with 1 1/2" supplied screws.



## Step 2 Light Option

**If you don't have lights skip to step 3.**

2-1. Connect the large control box to headboard. Screw the large control box to the back side of the headboard with 1 1/2" screws. Attach it about center and toward the bottom of the headboard. *This step may have been done for you.*

2-2. Attach the brass touch plate from the back side of the headboard with a 3/4" screw. The plate will need to be centered and at the top of the headboard. *This step may have been done for you.*

**Note: drawing shows a knob instead of a plate. We now use a touch plate.**

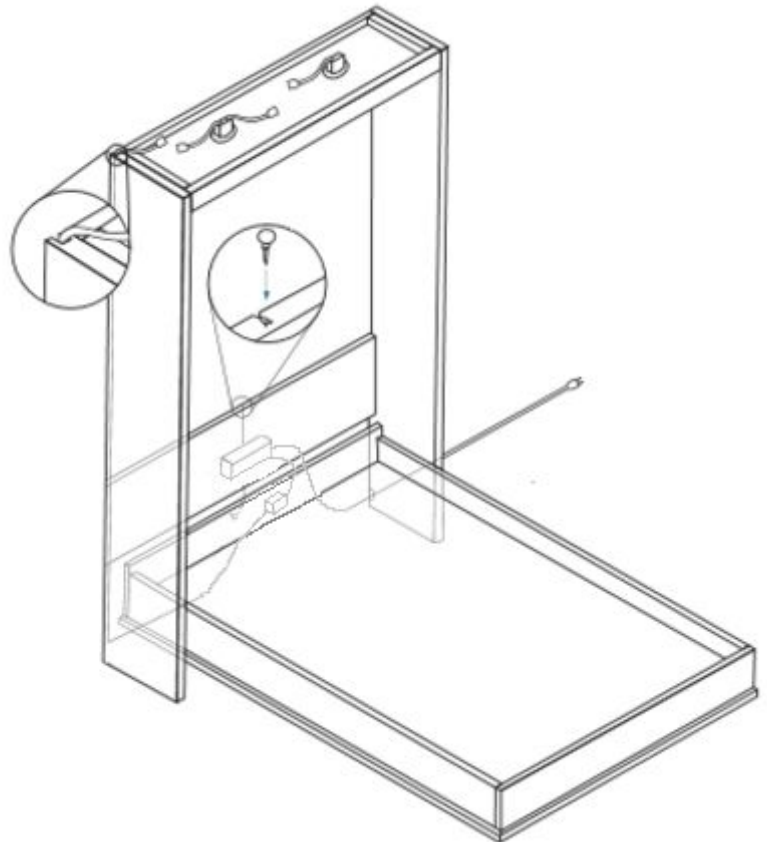
2-3 Attach the thin wire from the large control box to the touch plate by running a 3/4" screw through the eyehole and into the hole in the back of the plate. *This step may have been done for you.*

2-4. Plug the lights from the header to the wire in the vertical.

2-5. Plug the lower end of the wire in the vertical to the Large control box.

2-6. Plug the large control box into an outlet.

NOTE: The small control box will be just sitting there and will be attached to the frame later.



## Step 3: Attach Bed Cabinet Securely to Wall

We cut out for your base molding so you don't have to remove base molding off your wall. If our cutout was not large enough an additional cut may need to be done. Our cutout should accommodate a 5" high base. Use a jig saw to perform this task.

### 3-1: Find Studs

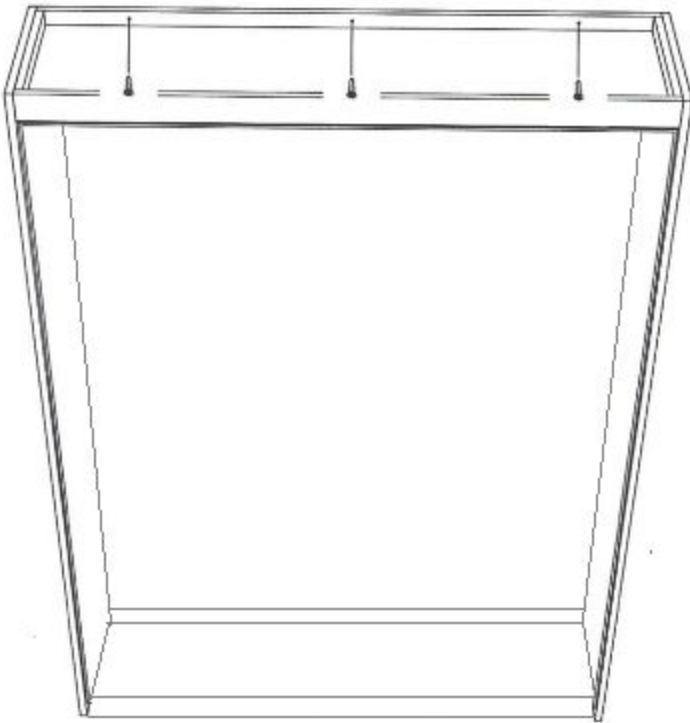
Prior to placing cabinet against the wall, locate 3 studs (you may only find 2 on a twin size) or other wall frame members at the level of the Top Panel (top of bed). Alert: The cabinet must be secured to studs or other wall structural members or injury and damage could occur. If the wall is not a wood stud wall, use metal stud screws, toggle bolts or concrete expansion bolts if necessary.

### 3-2: Attach to wall

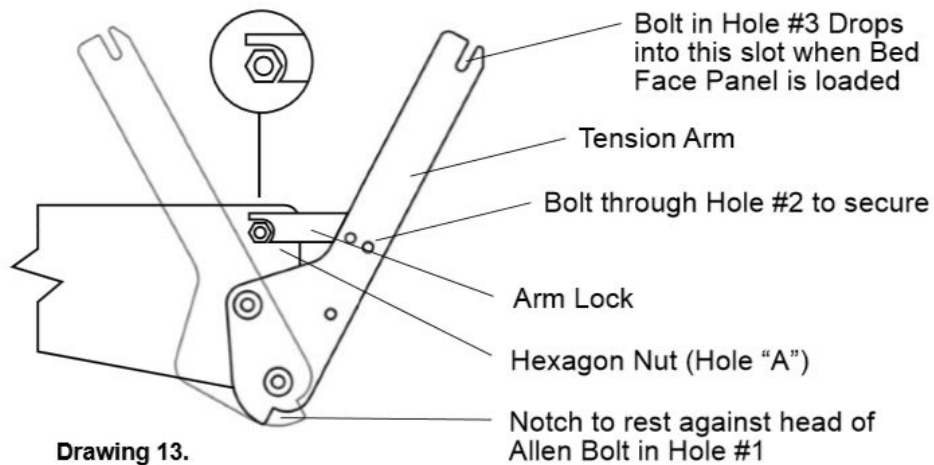
Now that the cabinet is square and plumb, **pre-drill a hole in that backboard of the Top Panel/header at the stud location using a 3/16" drill bit. Fasten to wall using 3" screws. Repeat this for two other stud locations.**

If the wall is **CONCRETE, MORTAR OR BRICK** Construction, use masonry screws:

Drill three pilot holes through the rear rail of the bed header into the wall for a twin or full and four for a queen size bed. Using a 5/32" concrete drill bit, drill through the pilot holes into the wall 2" deep. Anchor the bed by screwing 3/16 x 2 1/4" masonry screw through the rear rail of the bed header into the wall.



### 3-3 Lock the arm into place



Holding one foot against the bottom front edge of the side panel and using the 13" (330mm) PVC tube, lever the tension arm out until you can set the arm lock to the hex nut at the hole A (see drawing 13.). This is the hex nut at the top front corner of the mechanism.

*Tip: If you set the "Arm Lock" on top of the bolt before you pull the Tension Arm back it will fall into place. Do not put your fingers back there to while pulling it back.!*

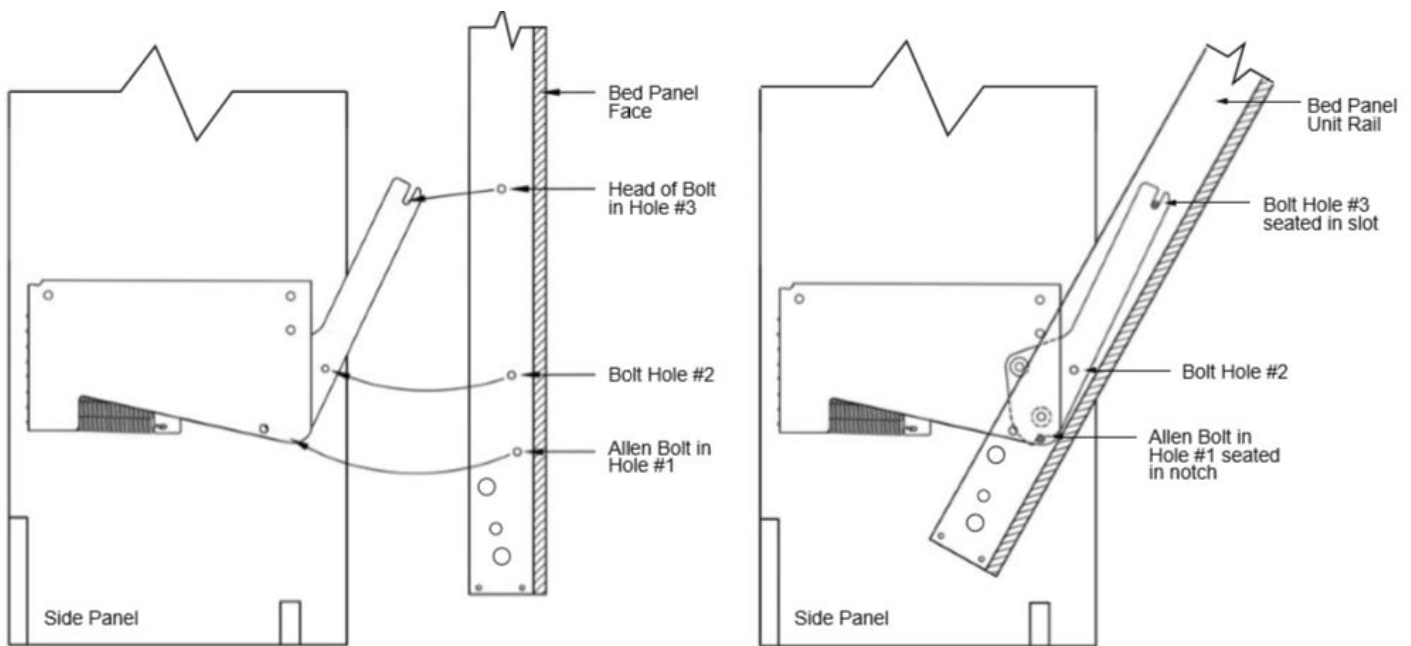
*Caution: If possible have a helper assist in the setting of the mechanism and loading of the bed face panel. DO NOT reach behind the tension arm when you are doing the setting procedure.*

## Step 4: Install the Bed Face Panel Unit

4-1: We have Inserted a Allen Head Bolts through Hole #1 (6 3/4" from end of side frame) on both left and right side frames (see Drawing 14).

4-2 We have also Inserted two 5/16" (M8x20mm) Hex Head Bolts from the outside of the frame through Hole #3. We have intentionally left these loose. Do not tighten yet. If we put the bolt in hole #2 take it out.

4-3 Stand the Bed Face Panel in vertical position between the tension arms, lift evenly until the bolt in Hole #3 drops in the slotted end of each tension arm. Gently tilt the bed face toward you until the Allen Bolts in Hole #1 are completely seated in the bottom notch of the tension arms. Insert the remaining 5/16" (8mm) Hex Head Bolts through tension arms into Holes #2 and fasten with 5/16" (8mm) Nylock Nuts; securely tighten these and the nuts on Hole #3.



**Drawing 14.**

**Drawing 15.**

4-4 When all bolts are securely tightened, you may tilt the panel outward to approximately 45 degrees to release the arm locks. You will hear a click as they disengage.

### **Caution:**

Hold the Face Panel securely, Do Not let it slam shut. Balance is not achieved until the mattress is loaded in the bed and will not stay down.

Leveling of the bed cabinet is essential. Check the level both side to side and front to back. Proper leveling will facilitate proper closure and exact sight lines of the fit of the Face Panel to the Cabinet.



## Step 5: Install Handle = Legs - Mechanism Covers - Mattress

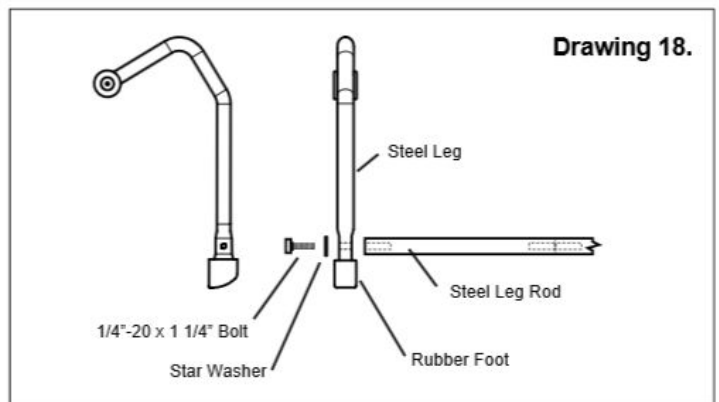
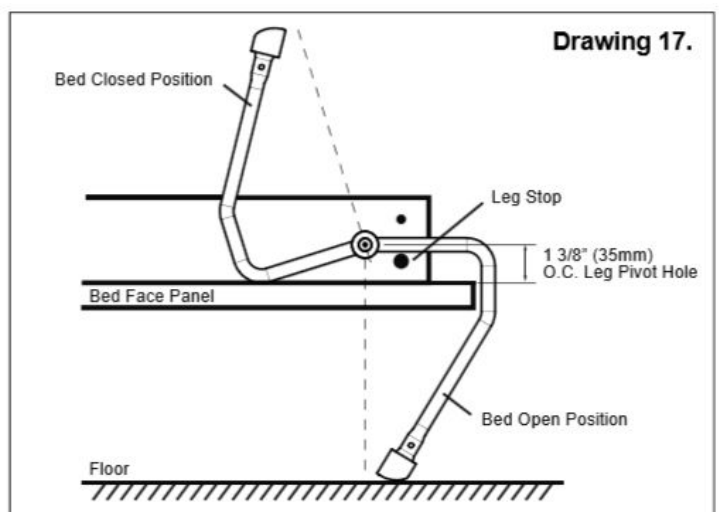
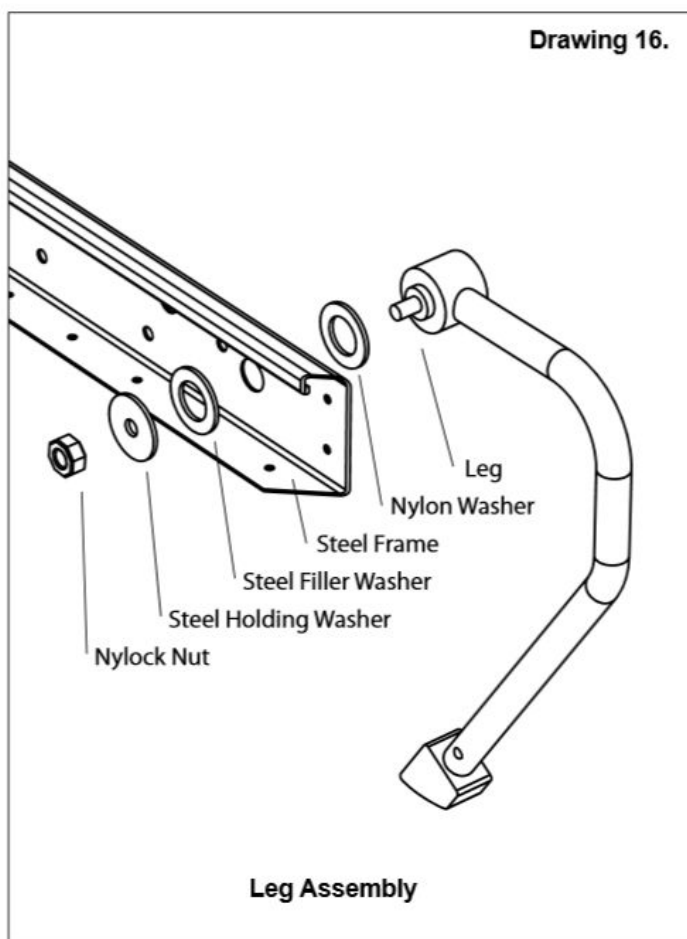
### 5-1 Pre-Drilled Holes for Handle

On most application we have drilled the holes for the handle. Position and secure handles for ease of operation.

### 5-2 Customer Drills for Handles

If you are installing your own handles, measure down approximately 36" (914mm) from the panel top to the top of the handles. The main thing to note is you don't want to hit any part of the frame.

5-3 Install legs with the washers on the inside of the Rails and the Nylon washer on the outside. Tighten nut to have a small amount of friction when leg assembly is rotated from the up to down position.



5-4 Install leg connector rod between legs and secure with 1/4"x1 1/4" (M4x32mm) Hex head bolts and star washers. Be sure they are securely tightened so not to become loose.

5-5 Install the mattress and secure with previously installed Nylon Straps.

5-6 Snap the powder coated steel mechanism covers in place - secure with #8x1 1/4" (M4x32mm) black wood screws through the standoff on the backer plate

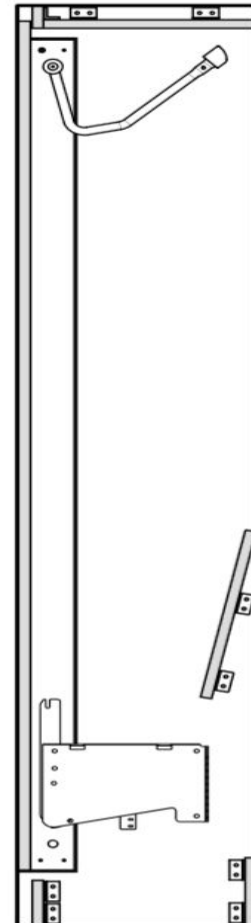
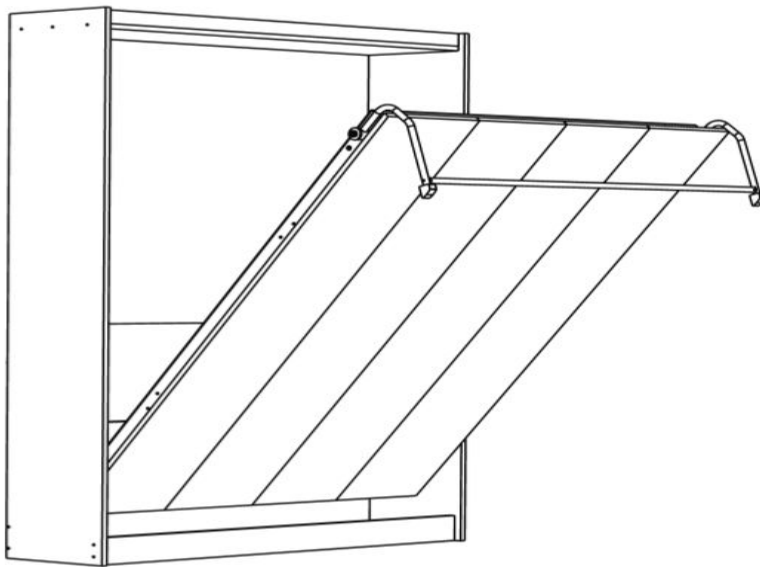
## Step 6 Plug in the Lights:

Mount the small control box to the back of the “Frame and face Panel”. Remove the tape backing and stick the control box to the back of the metal frame. **Make sure the arrow is facing up and toward the wall.**

### **Complete Bed Assembly**

## Follow up to Initial Assembly

Check that the Bed Cabinet is level and square so the Bed Face has equal clearance of the Cabinet on both sides, top to bottom. If the Cabinet is leaning to one side, nudge it at the floor level. If the top is uneven, place shims under the Side Panels. If bed is too heavy to operate easily or slams shut, remove the Bed Face Panel and add or subtract springs. At this time, you may decide to use one more or less spring(s) on the left or right side Lift Mechanism.



**Right Side  
Looking through Side Panel.**

## Additional Options

### Bookcase Option

The bookcase will mount to the bed at the top using 1 ¼" screws. You can also put one inside the lower section by pulling out a drawer. We may not have pre-drill for these holes so you can place them anywhere.

## Desk Option

Note: We have put the screws back in on the face (right above the black bracket) and also at the bottom. Remove those screws and use them to assemble the desk

### Desk Step D-1 | Attach the Desk Riser to the Desktop.

If they are not already inserted, insert the hardwood dowels into the bottom of the Desk Riser. The Desk Riser will attach to the Desktop by inserting the dowel side into the dowel holes on the Desktop. Keep in mind there is usually a front and a back to the Desk Riser. Make sure the good side is facing forward.

Note: the holes cut in the Desktop are elongated and allow left to right movement. Make sure the edges of the Desk Riser and Desktop are even and insert the 1 1/2" screws.

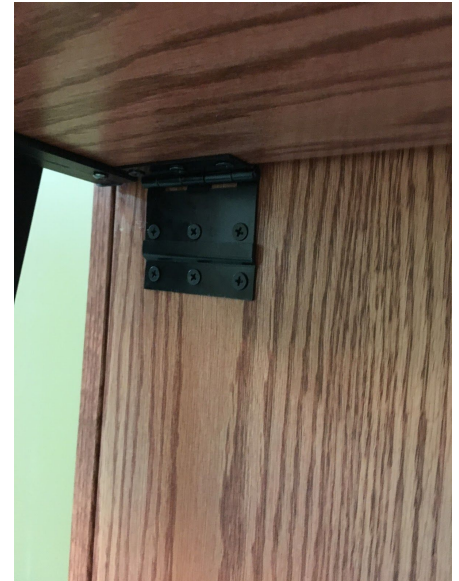


### Desk Step D-2 | Attach the Desk Mechanism to Desk

The Desk Mechanism has holes in the upper and lower bracket that forms an "L". Attach the desk to the mechanism using 20 - 5/8" pan head screws.

### Desk Step D-3 | Place Desk Hinge into Hinge Clip

With the Desk rotated 90° up, place the loose end of the hinge into the Hinge Clip and secure with 5/8" flat-head screws.

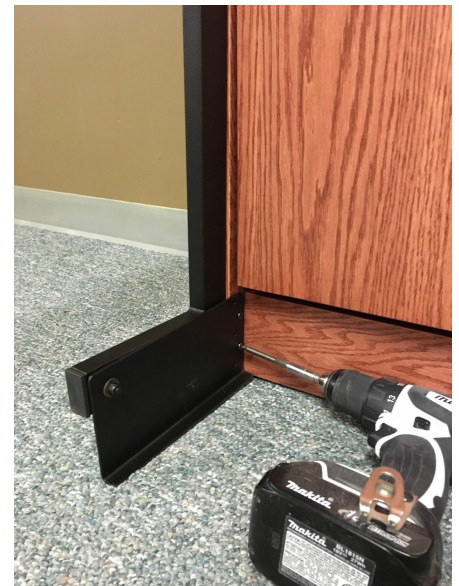


### Desk Step D-4 | Reattach Base

Rotate the desk back down and re-insert the 5/8" pan-head screws that were removed from Step D-1. Finish putting in the other 5/8" pan-head screws into the base.

### Desk Step D-5 | Check Operation

Check desk for level and open and close the bed to make sure bed is operating properly.



**Notes:**