

# EMBED

## Instruction Manual



PREMIUM EMBED



## Safety Precautions

To ensure a safe and efficient assembly process, please take a moment to prepare your workspace before you begin. Here are some important considerations:

- Clear the Assembly Area: Before starting assembly, remove any children, pets, or objects from the area where you will be working. This will help to prevent tripping hazards and ensure there are no distractions that could lead to mistakes.
- Proper Safety Equipment: For your safety, we recommend wearing safety glasses during the assembly process. Safety glasses will help to protect your eyes from flying debris or dust particles that may be generated while drilling or using other tools.
- Power Tools and Safe Use: This furniture requires the use of a drill for several assembly steps. Please ensure you are familiar with the safe operation of your drill before proceeding. Incorrect drill bit sizes can lead to stripped screws, damaged components, or difficulty during assembly.
- Two-Person Assembly Required: Certain steps in the assembly process require two people for safe lifting, maneuvering, and positioning of the Embed components. Having a second person to assist will help to prevent injury and ensure a smoother assembly experience.

## WARNING!

### Wall Mounting Precautions

Securely attaching the Embed to your wall is crucial for safe operation. We recommend using the provided magnetic stud finder to locate the wall studs before drilling any holes. Studs are the vertical support members within your wall that provide the strongest mounting points.

It is critical that the Embed is securely fastened directly into the wall studs using the provided screws. If you are unable to confidently identify the studs in your wall or are unsure about attaching the Embed directly to the studs, we strongly advise that you consult a qualified professional for assembly. A professional can ensure your Embed is mounted safely and securely to your wall, minimizing the risk of accidents or injuries.

## Safe Use

### Weight Limitations and Capacity:

- The Embed is designed to support a maximum weight capacity for the mattress. Exceeding this weight limit can put strain on the mechanism and may lead to damage or malfunction.
- The Embed is also designed for use with mattresses within a specific thickness range. Using a mattress that is too thick or too thin can impact the functionality and safety of the bed. The acceptable mattress thickness range will be specified in the instructions.

### Proper Bed Operation and Mechanism Care:

- Ensure the bed frame is properly aligned before closing. Improper alignment can cause difficulty closing the bed and may put strain on the mechanism.
- Avoid using excessive force when pulling down the Embed. The wall bed is designed to operate smoothly with minimal effort. Forcing the wall bed can damage the internal components.
- Be aware of potential pinching hazards. Moving parts can pinch fingers during operation. Keep hands and other objects clear of the door while opening or closing the bed.

### Electrical Safety and Cable Management:

- If you plan to route electrical cords or signal cables near the Embed, ensure they will not be pinched or damaged during bed operation. Inspect the cable placement regularly and adjust as needed to maintain safe clearances.
- Consider consulting a qualified electrician for assistance with cable routing, especially if you are unsure about proper electrical safety practices.

## Part List

PART NAME	QTY	PART NAME	QTY
1. Left Case	(1)	11. Handle	(1)
2. Right Case	(1)	12. Front Panel	(2)
3. Headboard Bracket	(1)	13. H Centre Rail	(2)
4. Bottom Case Rail	(1)	14. Centre Panel	(1)
5. Case Top	(1)	15. Footboard Rail	(1)
6. Left Cover	(1)	16. Stiffening Strap	(2)
7. Right Cover	(1)	17. Case Top Panel	(1)
8. Headboard Rail	(1)	18. Case Side Panel	(2)
9. Left Rail	(1)	19. Headboard	(1)
10. Right Rail	(1)		

## Hardware & Tool List

### Bagged Hardware:

- |   |      |
|---|------|
| • 5/8" Machine Screws                         | (26) |
| • 2 1/2" Structural Screws                    | (4)  |
| • 3/4" Wood Screws                            | (30) |
| • Hook Strap with 3/4"<br>Wood Screw & Washer | (1)  |
| • Loop Strap with 3/4"<br>Wood Screw & Washer | (1)  |
| • Leveller Stop                               | (2)  |

### Pre-Installed Hardware:

- |                                     |     |
|-------------------------------------|-----|
| • 3/8" Machine Screws               | (4) |
| • 1/2" Machine Screws               | (4) |
| • 3/4" Nuts & Washers               | (2) |
| • 5/16" Machine Screws<br>& Washers | (2) |

### Tools Included:

- Stud Finder
- 3/16" Allen Bit
- 4mm Allen Bit
- Torx Bit
- 19mm Ratcheting Wrench

### Tools Required:

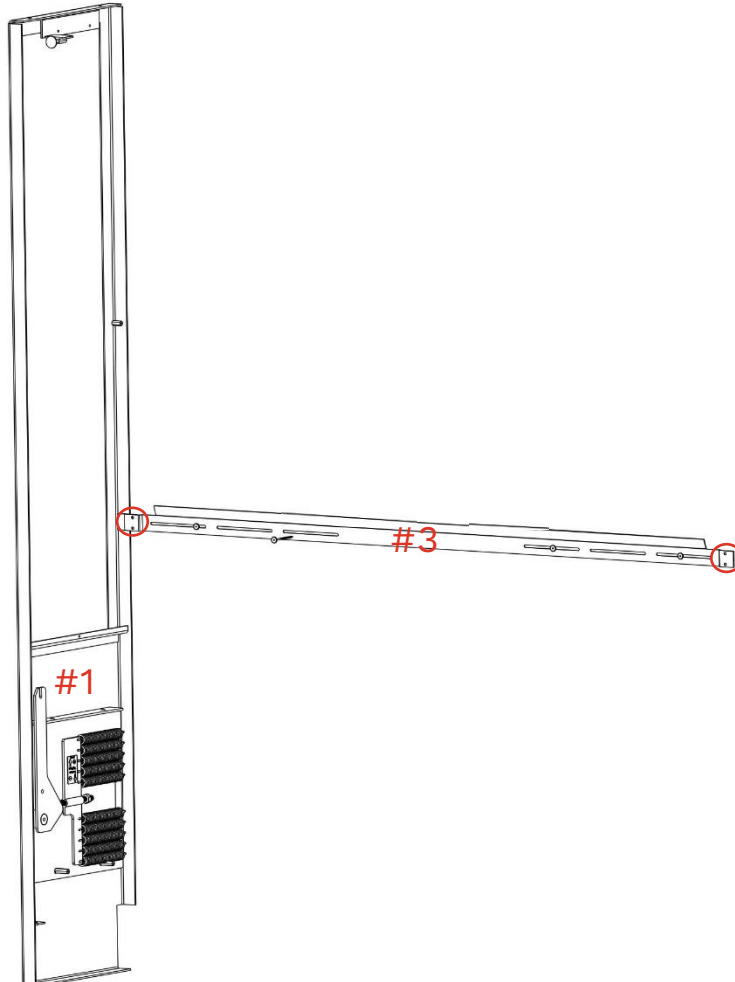
- Phillips Screwdriver
- Tape Measure
- Powered Drill with  
Robertson Bit
- 1/4" Wood Drill Bit
- Level
- Ladder

## Step 1. Attach Wall Bracket

- Hold the Left Case (#1) vertically flush against the wall.
- Line up the Headboard Bracket (#3) with the pre-drilled holes on the case sides. Use one person to hold the bracket and another to screw the screws into the case side.
- Use the 4mm Allen bit to remove the four 3/8" machine screws from the case sides.
- Use the 4mm Allen bit to screw in two 3/8" machine screws to attach the Headboard Bracket (#3) to the Left Case (#1).
- Repeat this process to attach Headboard Bracket (#3) to the Right Case (#2).

### Part & Tools:

- #1 Left Case
- #2 Right Case
- #3 Headboard Bracket
- Four 3/8" Machine Screws  
*(pre-attached to case sides)*
- 4mm Allen Bit

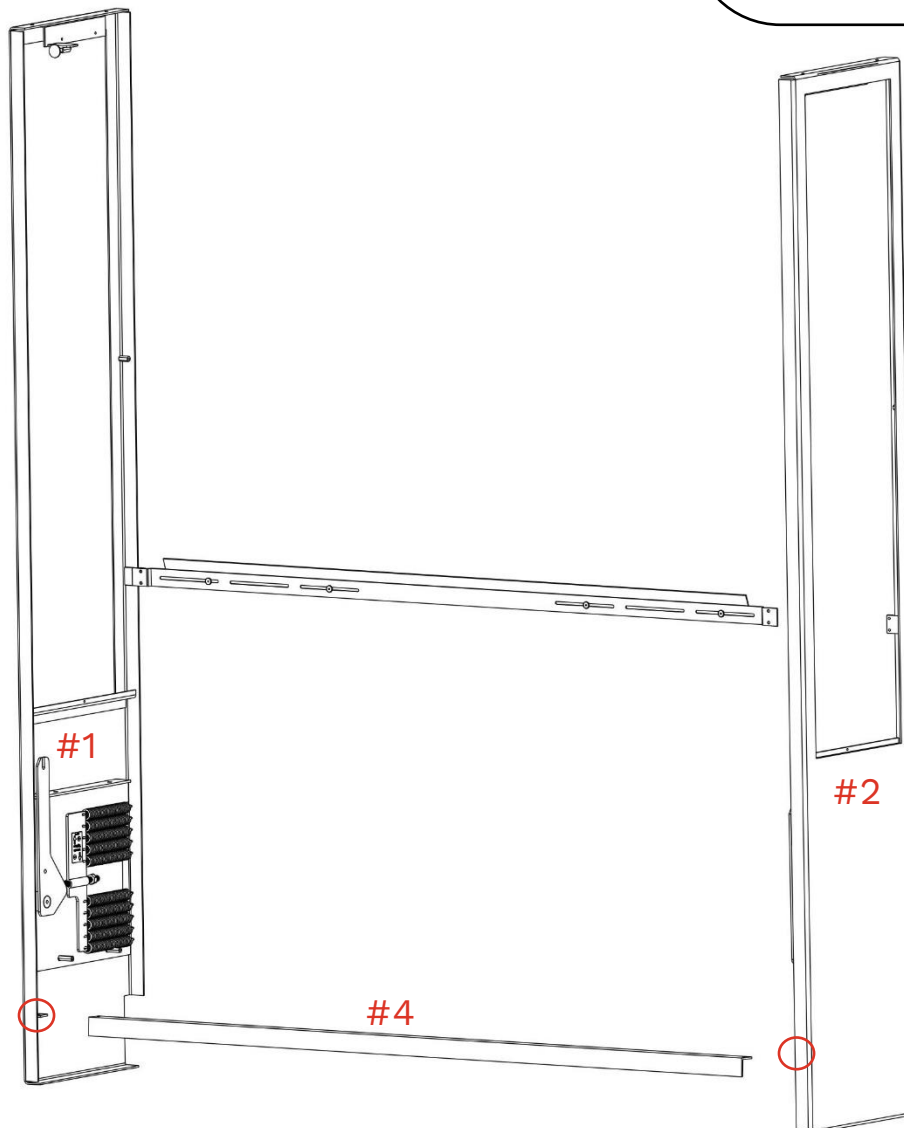


## Step 2. Attach Bottom Rail

- Align the Bottom Case Rail (#4) to the base of the case sides.
- Use the 4mm Allen bit to screw in one 5/8" machine screw to the Bottom Case Rail (#4) to the Left Case (#1).
- Repeat the process to attach the Bottom Case Rail (#4) to the Right Case (#2).

### Part & Tools:

#1 Left Case  
#2 Right Case  
#4 Bottom Case Rail  
Two 5/8" Machine Screws  
4mm Allen Bit



## Step 3. Attach Case Top

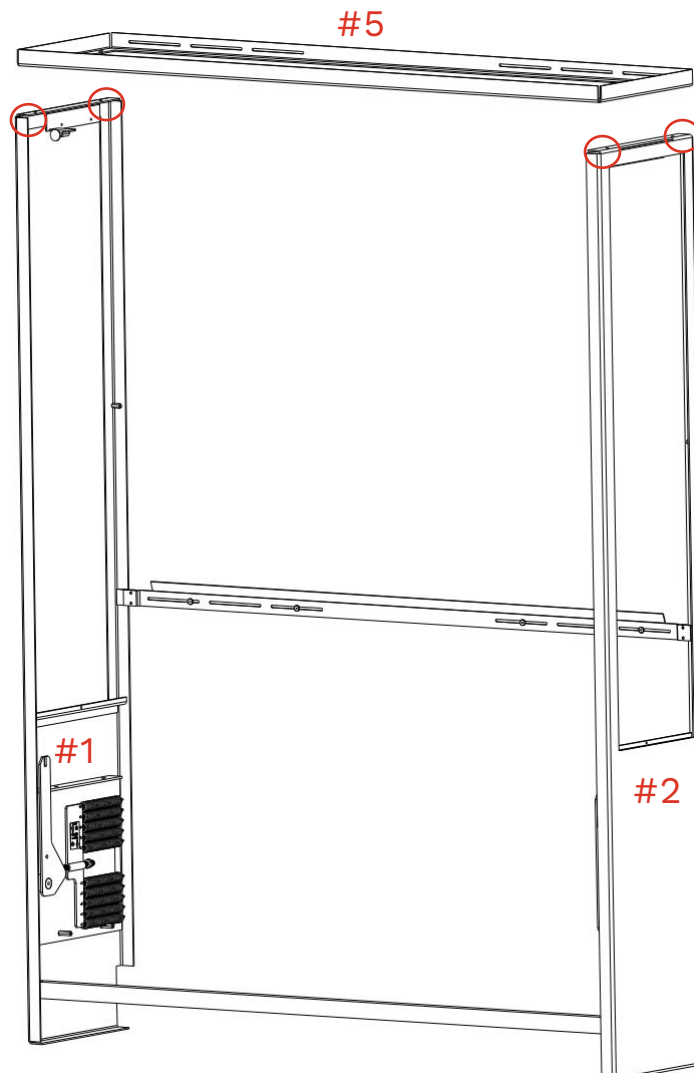
- Align the Case Top (#5) on top of the case sides.

Use a ladder to safely attach the Case Top to the case sides.

- Use the 4mm Allen bit to screw in two 5/8" machine screw to the Case Top (#5) to the Left Case (#1).
- Repeat the process to attach the Case Top (#5) to the Right Case (#2).

### Part & Tools:

#1 Left Case  
#2 Right Case  
#5 Case Top  
Four 5/8" Machine Screws  
4mm Allen Bit  
Ladder





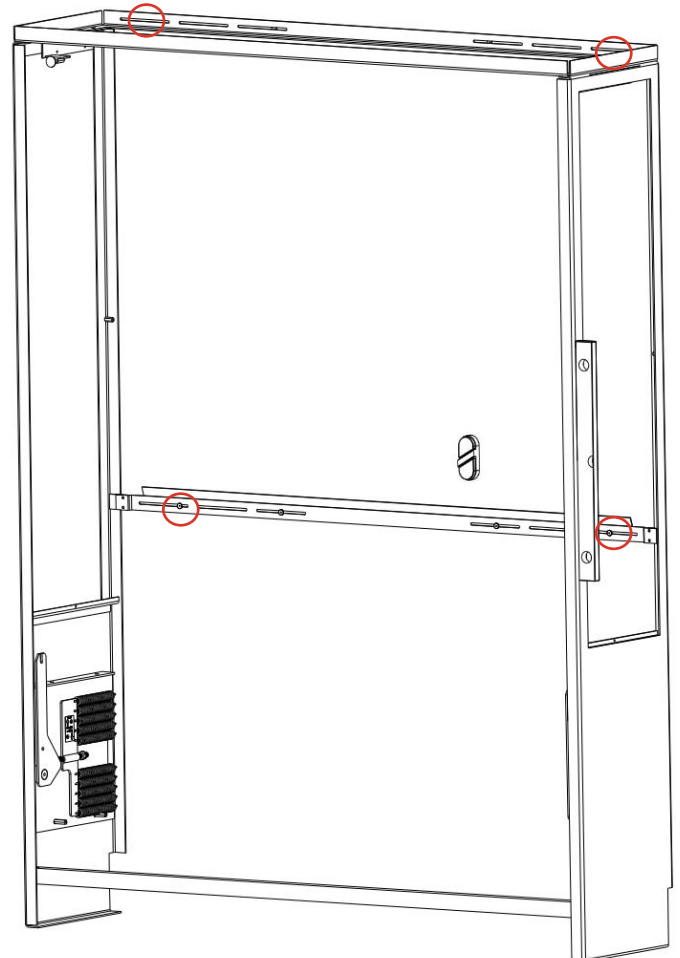
## Step 4. Attach Case to Wall

- Use the provided magnetic stud finder to locate the studs in your wall.
- Measure from the inside of the case to the magnetic marker and mark on the Headboard Bracket (#5) where the screw should go in. Drill into the stud closest to the case sides.
- Using a drill with the Torx bit, drill in two 2 ½" structural screws through the left and right side of the Headboard Bracket (#10).
- Use a level to make sure that the unit is plumb. You can back off the structural screws and re-tighten as required.
- Repeat the process to attach the case top to the wall. Use a ladder to safely reach the top of the case. Transfer the same measurement used for the Headboard Bracket (#3).
- Using a drill with a ¼" wood drill bit, drill a ¼" hole on the left and right side of the Case Top (#5).
- Using a drill with the Torx bit, drill in two 2 ½" structural screws through the left and right side of the Back Moulding (#6).
- *Optional Step:* Attach the base of the case sides to the baseboard for additional security. Use the pre-drilled holes provided.

### Part & Tools:

Four 2-1/2" Structural Screws  
Stud Finder  
Torx Bit  
¼" Wood Drill Bit  
Measuring Tape  
Level  
Ladder

**Warning:**  
Improper fastening  
into structural  
member may result in  
personal injury, and or  
death.



## Step 5. Prepare Mechanism

- The mechanism covers have been shipped pre-installed, covering the mechanism. The covers will need to be removed for the next step to access the mechanism.
- Use the 4mm Allen bit to remove the four ½” machine screws from the Left Cover (#5). Temporarily set aside the mechanism cover.
- Repeat this process to remove the Right Cover (#6).
- Remove the ¾” nut and washer from the back of each threaded rod on the mechanisms. Temporarily set aside the two nuts and washers.
- Pull down the mechanism arm on each side of the mechanism so that it is horizontal.

### Part & Tools:

#6 Left Cover

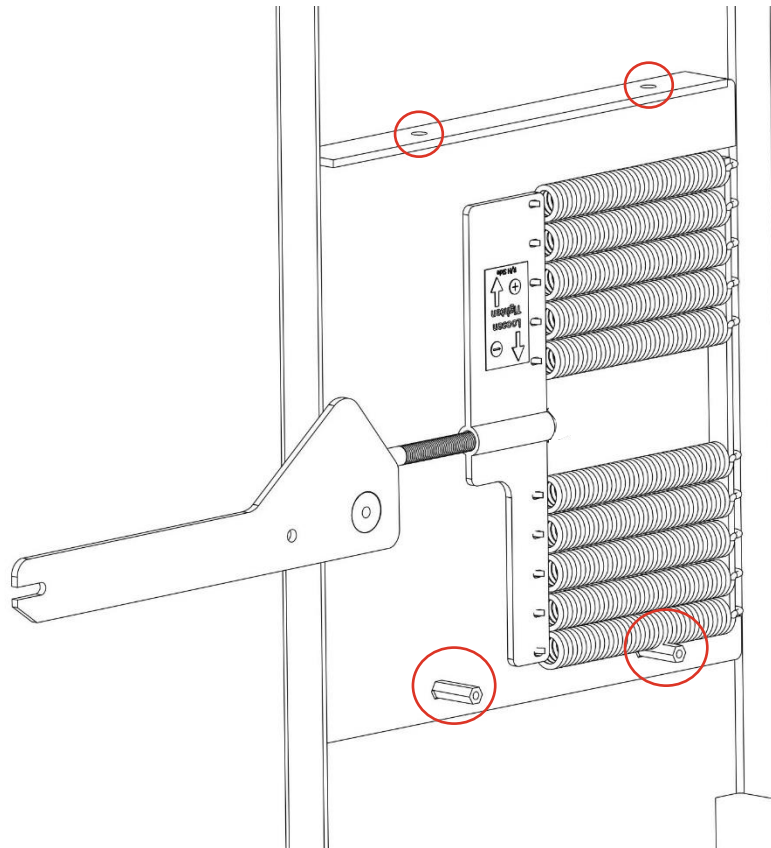
#7 Right Cover

Four ½” machine screws  
(pre-attached to mechanism)

Two ¾” Nuts  
(pre-attached to mechanism)

Two Washers  
(pre-attached to mechanism)

4mm Allen Bit

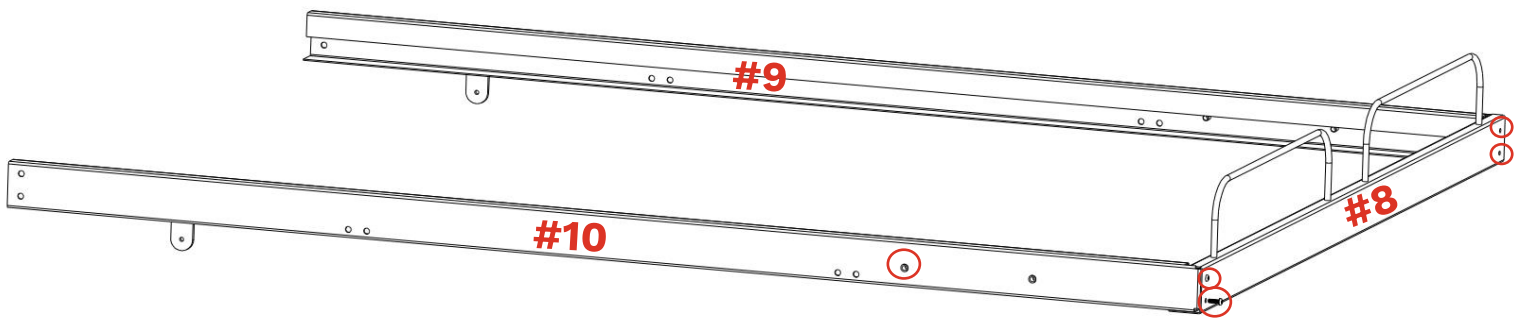


## Step 6. Build Bed Frame

- Lay out the Headboard Rail (#8), the Left Rail (#9), and the Right Rail (#10) on the floor. Place the parts in front of the case on the floor in a U shape.
- Align the Headboard Rail (#8) inside the corner of the Left Rail (#9).
- Use the 4mm Allen bit to screw in two  $\frac{5}{8}$ " machine screws to attach the Headboard Rail (#8) to the Left Rail (#9).
- Use the 4mm Allen bit to partially screw in one  $\frac{5}{8}$ " machine screw to the pre-drilled hole on the side of the Left Rail (#9). Make sure that the screw is protruding 4-5mm so that it can slide into the slot on the mechanism arm.
- Repeat the process attach the Headboard Rail (#9) to the Right Rail (#10).

### Part & Tools:

#8 Headboard Rail  
#9 Left Rail  
#10 Right Rail  
Six  $\frac{5}{8}$ " Machine Screws  
4mm Allen Bit



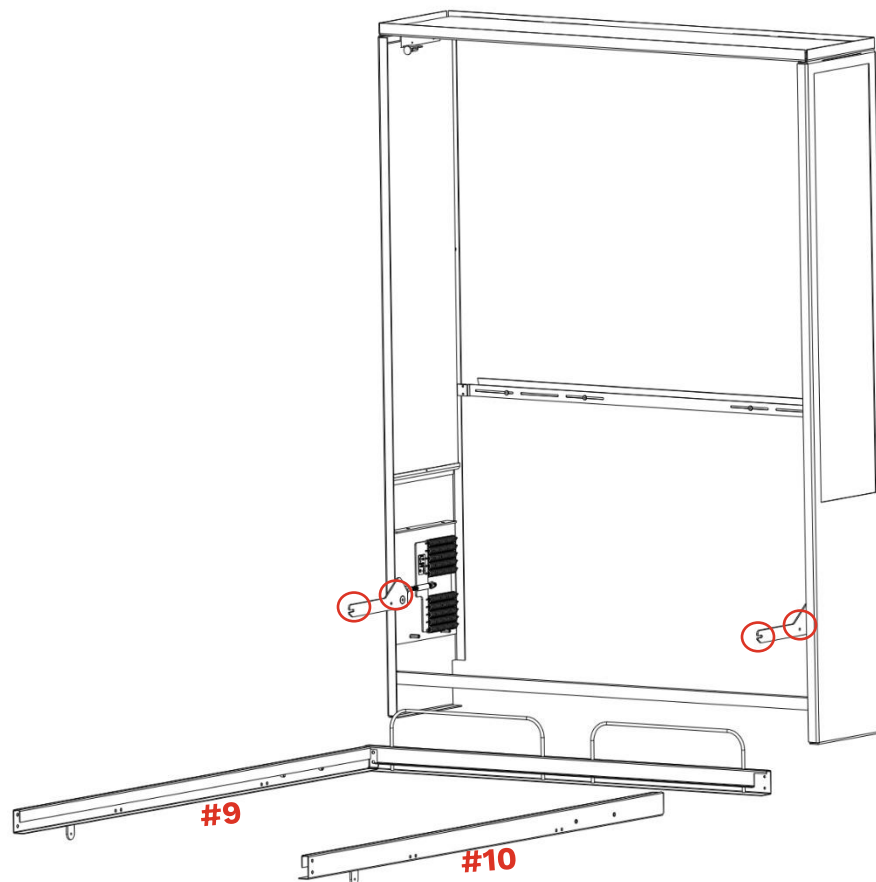
**Note: Do not use power tools for this operation  
as you may cross thread the screws.**

## Step 7. Attach Bed Frame to Case

- Have two people carefully place the U-shaped bed rails into the case between the mechanism arms. Slide the partially inserted screw into the slotted mechanism arm.
- Once the bed rails are lined up, use the 4mm Allen bit to screw in one 5/8" machine screw to the pre-drilled hole on the mechanism arm to attach the Left Rail (#9).
- Use the 4mm Allen bit to tighten the partially inserted screw on the Left Rail (#9).
- Repeat the process on the Right Rail (#10).

### Part & Tools:

#9 Left Rail  
#10 Right Rail  
Two 5/8" Machine Screws  
4mm Allen Bit

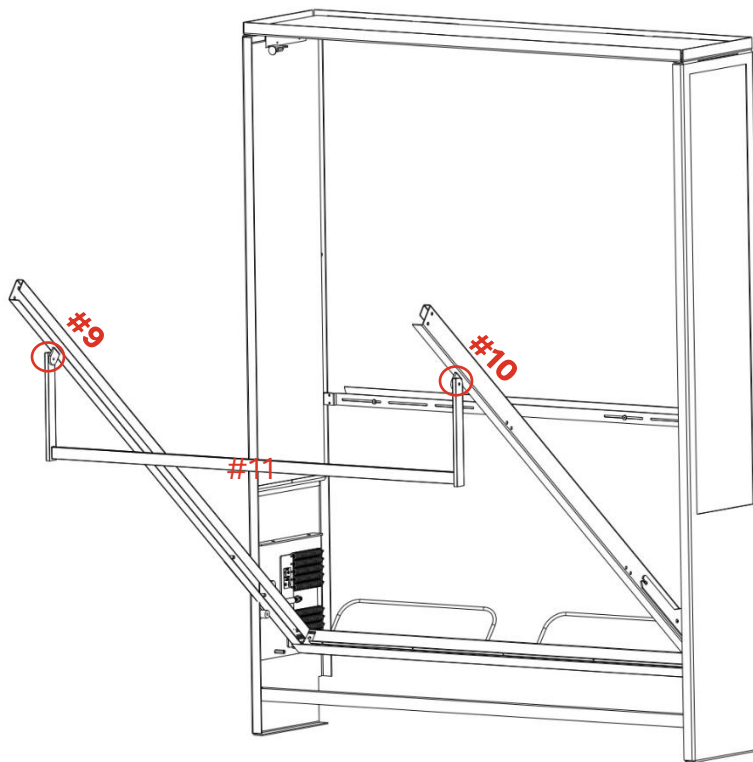


## Step 8. Attach Leg to Bed Frame

- Remove the 5/16" machine screws and washers from the tabs under the bed side rails.
- Take the Handle (#11) bed side rails where the metal tabs protrude. Ensure that the curved or radius portion of the leg faces back towards the wall for correct positioning.
- Use the 3/16" Allen bit to screw in one 5/16" machine screw and washer to attach the leg to the Left Rail (#9). The washer is placed in between the Handle (#11) and the tab.
- Repeat process to attach the Handle (#11) to the Right Rail (#10).

### Part & Tools:

#9 Left Rail  
#10 Right Rail  
#11 Handle  
3/16" Allen Bit  
5/16" Machine Screws  
(pre-attached to handle)



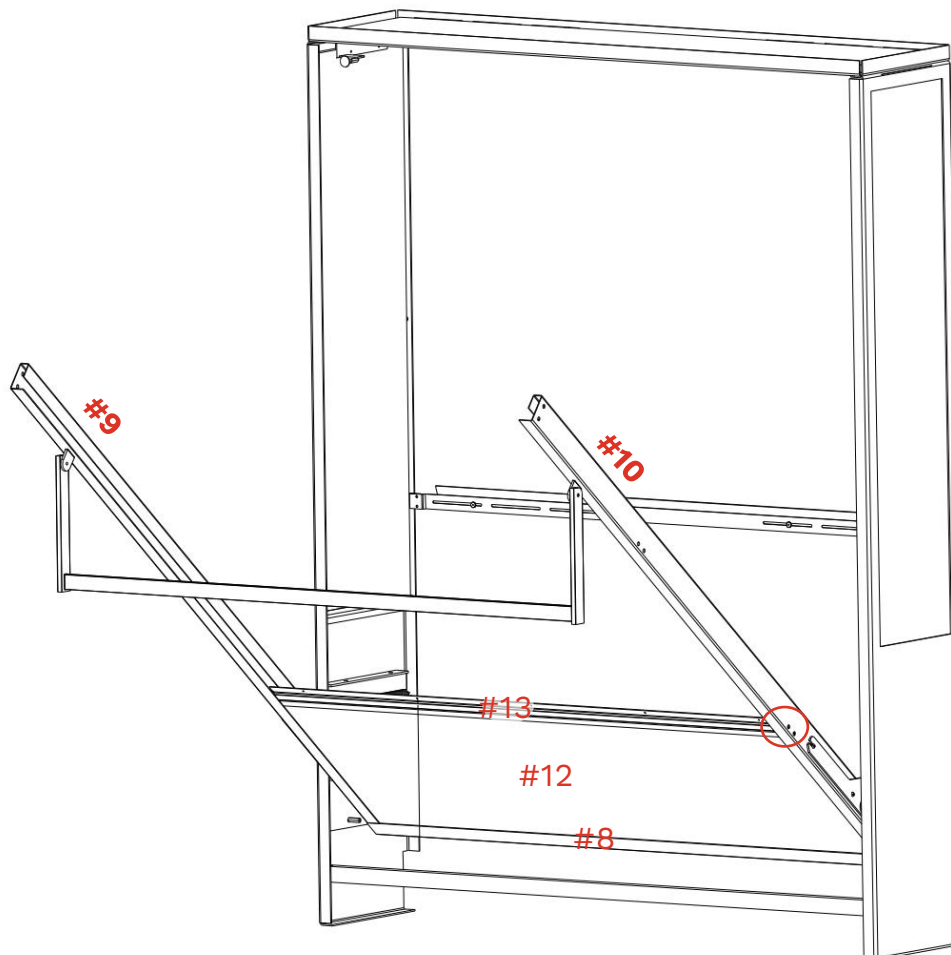
**Pro Tip:** Do not overtighten the screw as the leg should be able to move smoothly back-and-forth.

## Step 9. Assemble Bed Platform

- Slide the Front Panel (#12) into the bed rails. Apply a small amount of pressure under the panel to lift it into the Headboard Rail (#8).
- Attach the H Centre Rail (#13) to the Front Panel (#12) with the holes facing up and lined up with the holes on the side rails.
- Use the 4mm Allen bit to screw in two  $\frac{5}{8}$ " machine screws to the pre-drilled holes on the Left Rail (#9) to attach to the H Centre Rail (#13). Loosely insert both screws prior to tightening to provide ease of assembly.
- Repeat the process to attach the Right Rail (#10) to the H Centre Rail (#13).

### Part & Tools:

#8 Headboard Rail  
#9 Left Rail  
#10 Right Rail  
#12 Front Panel  
#13 H Centre Rail  
Four  $\frac{5}{8}$ " Machine Screws  
4mm Allen Bit



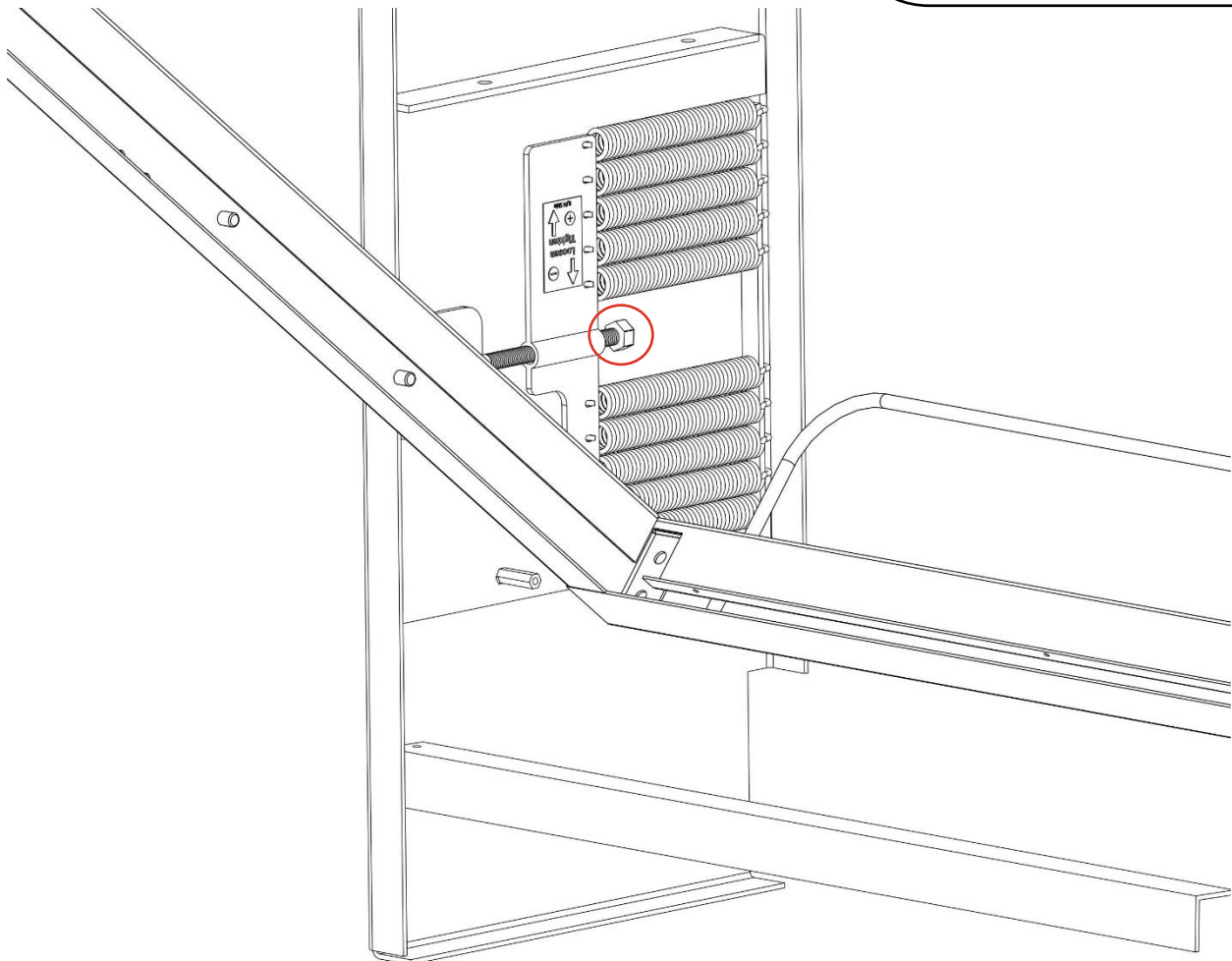
## Step 10. Reassemble Threaded Rod

- Close up the bed frame into the case.
- Take the  $\frac{3}{4}$ " nut and washer that were set aside and thread them back onto the threaded rod. The  $\frac{3}{4}$ " nut should be flush with the end of the threaded rod.
- Open up the bed frame to continue inserting the panels.

### Part & Tools:

Two  $\frac{3}{4}$ " Nuts

Two Washers



## Step 11. Assemble Bed Platform

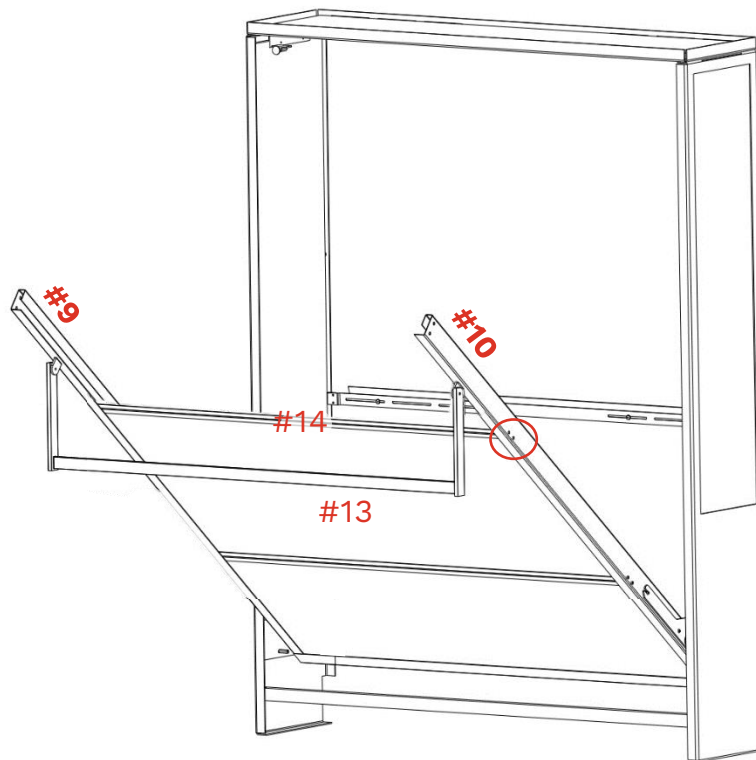
- Slide the Centre Panel (#14) into the bed rails.
- Attach the H Centre Rail (#13) to the Centre Panel (#14).
- Use the 4mm Allen bit to screw in two  $\frac{5}{8}$ " machine screws to the pre-drilled holes on the Left Rail (#9) to attach to the H Centre Rail (#13).

Loosely insert both screws as the lack of tension allows the Footboard Rail (#15) to be inserted without additional pressure.

Repeat the process to attach the Right Rail (#10) to the H Centre Rail (#13).

### Part & Tools:

#9 Left Rail  
#10 Right Rail  
#13 H Centre Rail  
#14 Centre Panel  
Four  $\frac{5}{8}$ " Machine Screws  
4mm Allen Bit



**Pro Tip:** when sliding the panels into place put some pressure on each bed rail with one hand and hold the panel with the other hand.

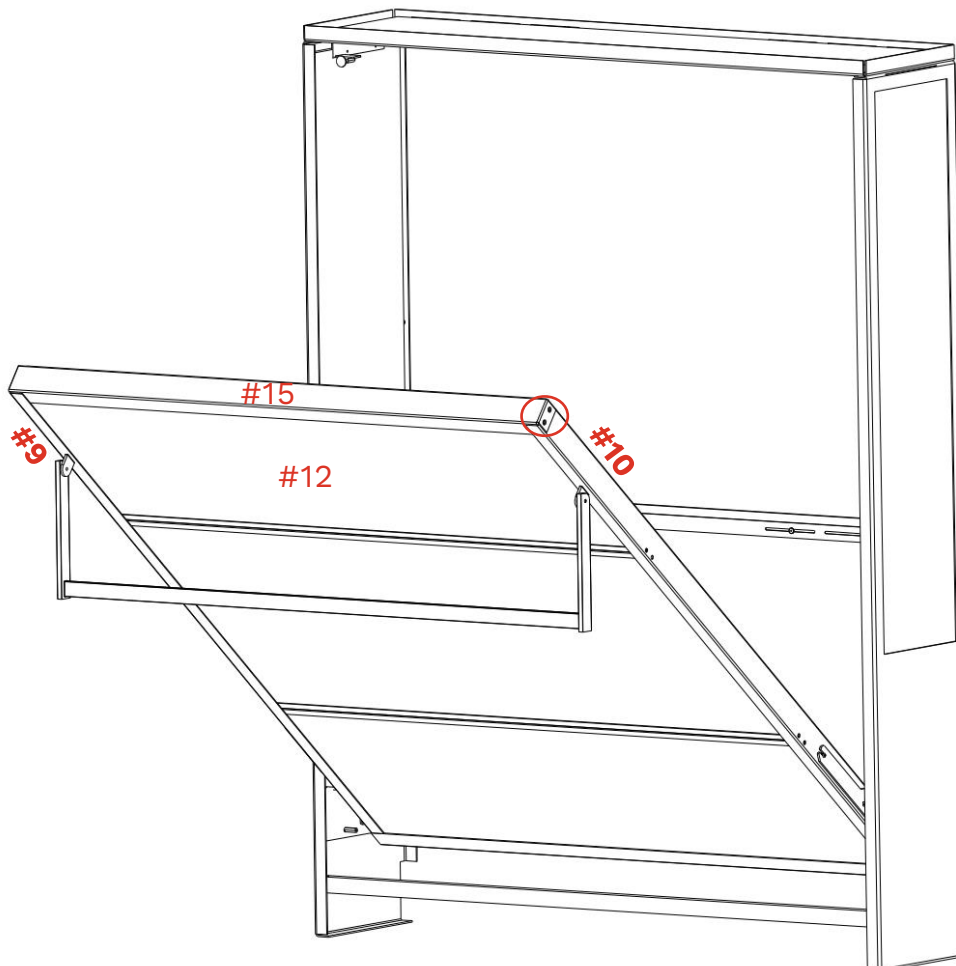


## Assemble Bed Platform

- Slide the Front Panel (#12) into the bed rails.
- Attach the Footboard Rail (#15) to the Front Panel (#12).
- Use the 4mm Allen bit to screw in two  $\frac{5}{8}$ " machine screws to pre-drilled holes on the Left Rail (#9) to attach the footboard rail #13. Now that the Footboard Rail (#15) is attached, the screws can be fully tightened.
- Repeat the process to attach the Right Rail (#10) to the Footboard Rail (#15).
- Recheck all screws along the bed side rails to ensure they are fully tightened.

### Part & Tools:

#9 Left Rail  
#10 Right Rail  
#12 Front Panel  
#15 Footboard Rail  
Four  $\frac{5}{8}$ " Machine Screws  
4mm Allen Bit

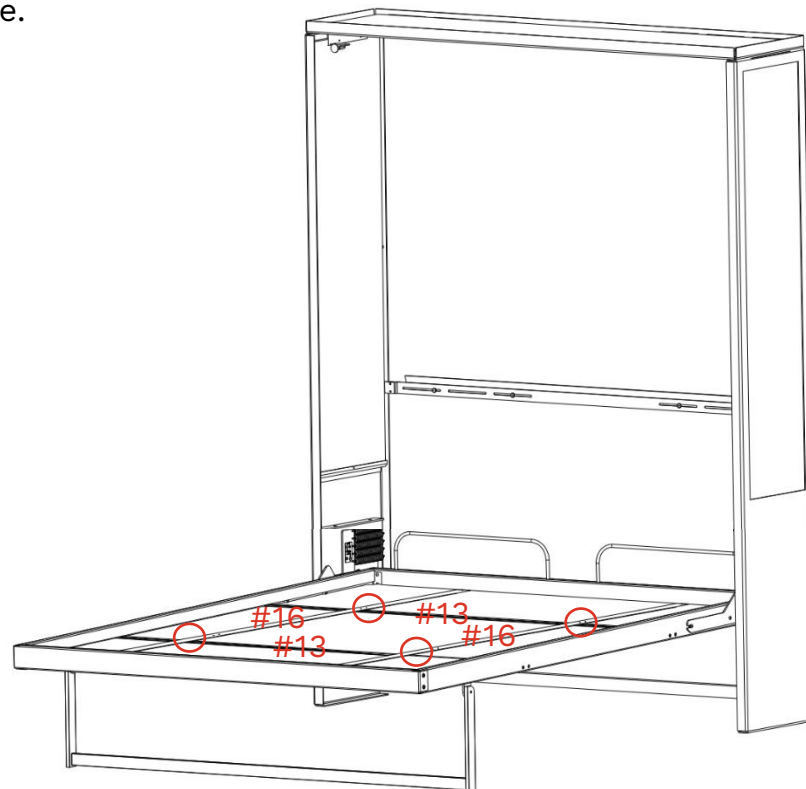


## Step 12. Attach Stiffening Straps

- Lay the two Stiffening Straps (#16) vertically on the bed platform. Line up the Stiffening Straps (#16) with the pre-drilled holes along the H Centre Rails (#13).
- There are two pre-drilled holes at each of the cross sections of the Stiffening Straps (#16) and H Centre Rails (#13), for a total of eight pre-drilled holes. Using a drill, drill in four 3/4" wood screws, one at each cross section.
- Using a tape measure, measure diagonally from corner to corner to make sure the measurement is the same in both directions.
- Adjust the bed frame to ensure the bed is square and will fit snug into the case.

### Part & Tools:

#13 H Centre Rails  
#16 Stiffening Straps  
Four 3/4" Wood Screws  
4mm Allen Bit



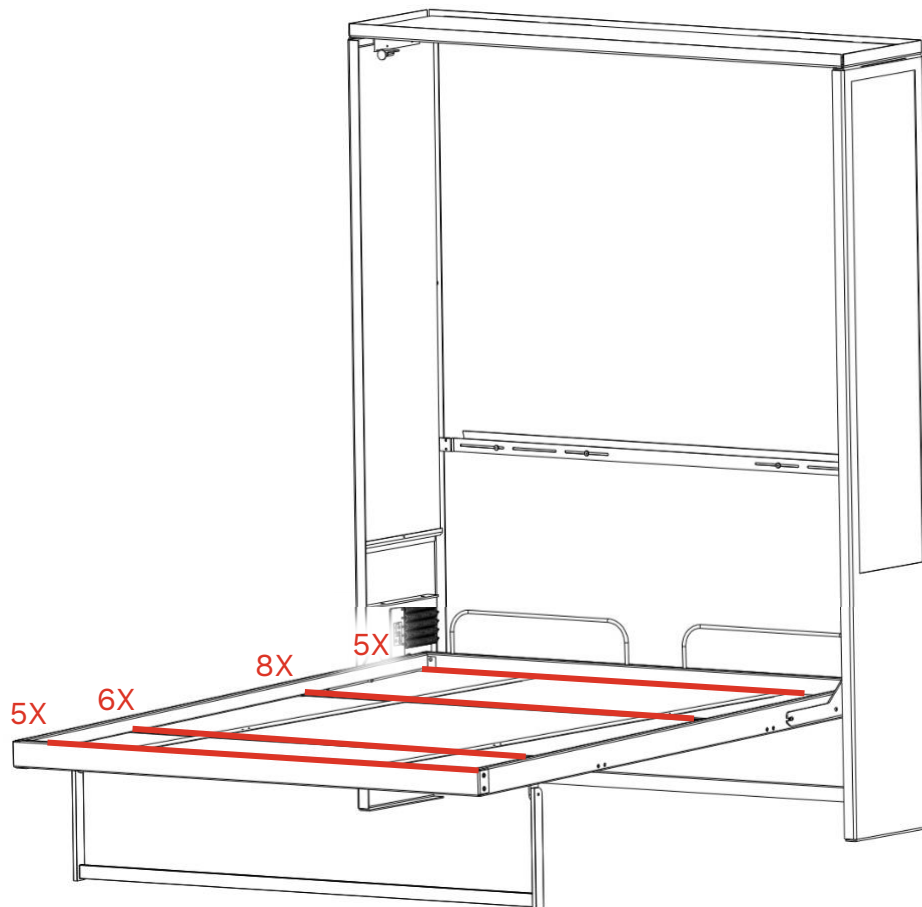
Standard measurement for a Queen Vertical Embed is 103 1/4" corner to corner

## Step 13. Bed Frame Screws

- Use a drill to insert the remaining twenty-four  $\frac{3}{4}$ " wood screws inside the bed frame.
- Drill in five  $\frac{3}{4}$ " wood screws along the inside the of the bed frame, on the Headboard Rail (#8) into the pre-drilled holes.
- Drill in six  $\frac{3}{4}$ " wood screws into all the empty pre-drilled holes in the first H Centre Rails (#13).
- Drill in four  $\frac{3}{4}$ " wood screws into the pre-drilled holes in the second H Centre Rail (#13), leaving the furthest left and right holes, closest to the footboard rail empty.
- Drill in five  $\frac{3}{4}$ " wood screws along the inside the of the bed frame, on the Footboard Rail (#15) into the pre-drilled holes.

### Part & Tools:

#13 H Centre Rails  
#16 Stiffening Straps  
Twenty-Four  $\frac{3}{4}$ "  
Wood Screws



## Step 14. Secure Mattress

- Attach the hook and loop velcro on the second H Centre Rail (#13) using the two empty pre-drilled holes and the attached 3/4" wood screws along with the washer.

The hard hook side should face upwards, and the soft loop side should face downwards so as to not mar the mattress.

- Ensure one person is holding the bed frame down and place the mattress in the bed frame.

Now that a mattress weight is added, it will hold the bed platform open itself.

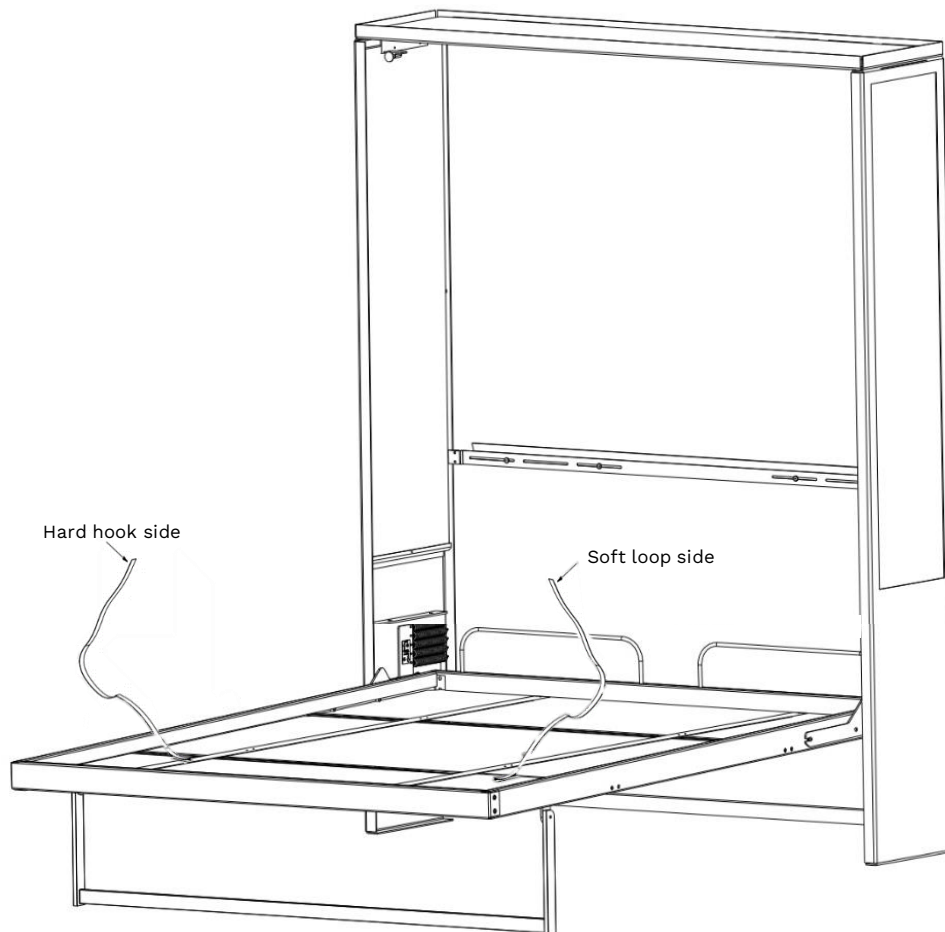
- Secure the mattress with the hook and loop velcro strap.

### Part & Tools:

Hook Strap with  
3/4" Wood Screw & Washer

Loop Strap with  
3/4" Wood Screw & Washer

Mattress

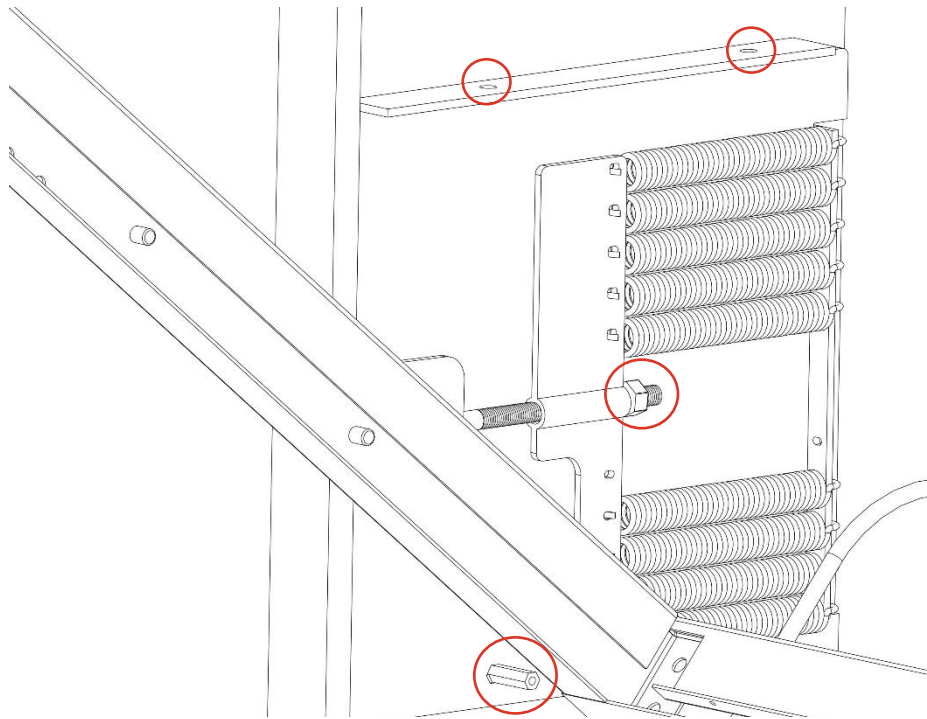


## Step 15. Mechanism Adjustment

- Lift the bed frame until it is nearly closed so that the mechanism is still accessible. Have one person support the Embed in place, while the other adjusts the mechanism.
- Use the provided ratcheting wrench to adjust the tension on the  $\frac{3}{4}$ " nut. Test the tension by lifting the bed open and closed to find your desired tension.
- Use the 4mm Allen bit to screw the set aside two  $\frac{1}{2}$ " machine screws to re-attach the Left Cover (#6). Tighten the two  $\frac{1}{2}$ " machine screws at the base of the mechanism cover.
- Repeat this process to re-attach the Right Cover (#7).

### Part & Tools:

#6 Left Cover  
#7 Right Cover  
Four  $\frac{1}{2}$ " Machine Screws  
Ratcheting Wrench



Tightening the tension will lighten the load making it easier to lift especially with a heavy mattress. Loosening the tension will make it less springy and heavier.

## Step 16. Insert Case Panels

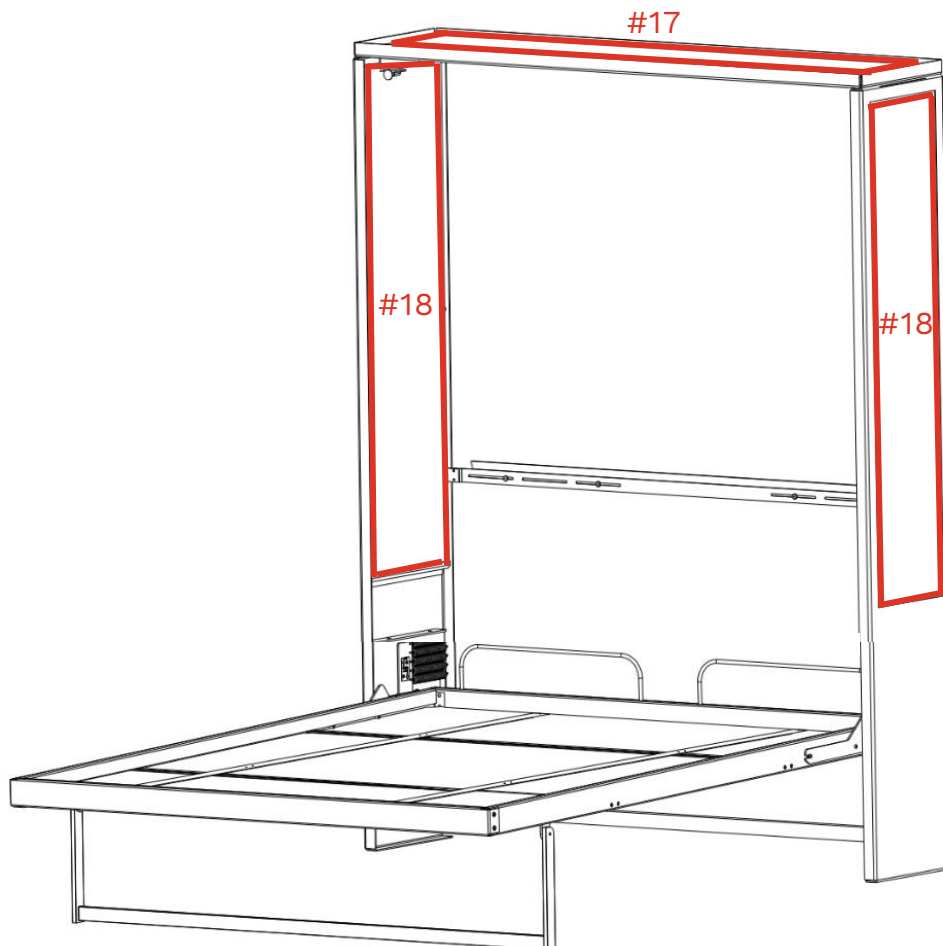
- Use a ladder to safely insert the Case Top Panel. Drop in the Case Top Panel (#17) into the Case Top (#5) from above.
- Slide the Case Side Panel (#18) into the Left Case (#1) from the inside of the case.
- Repeat the process to slide the Case Side Panel (#18) into the Right Case (#2).
- Tighten the three pre-installed screws on each case side to secure the side panels in place.

### Part & Tools:

#17 Case Top Panel

#18 Case Side Panel

Ladder

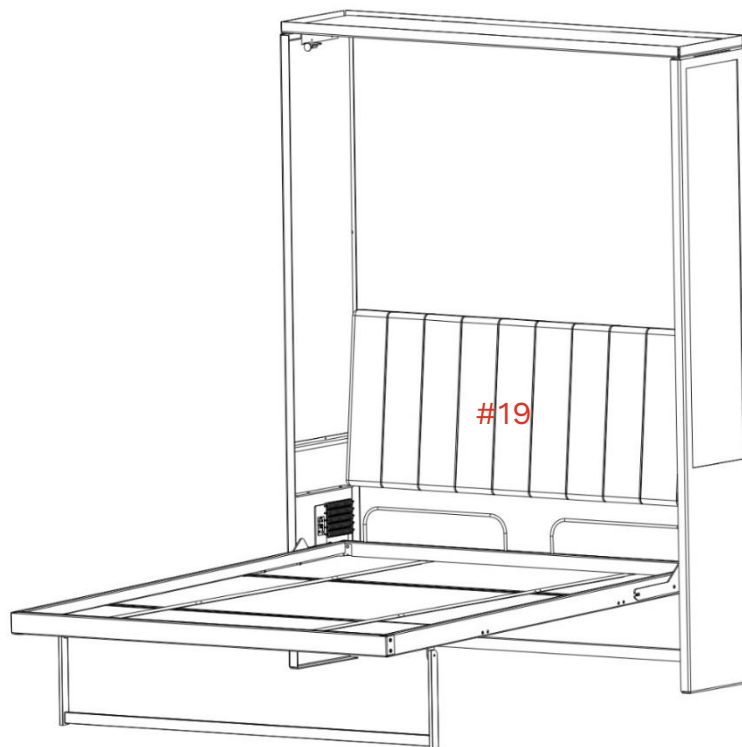


## Step 17. Attach Headboard

- Lay the Headboard (#19) upside down on the mattress.
- Insert leveller stops in the back panel of the threaded receptacle. There is adjustment available, depending on the thickness of the mattress.
- Have two people hang the Headboard (#19), putting one side in first, place the top of the Headboard (#19) close to the wall and carefully slide it down, catching the Headboard Bracket (#3).
- Move the Headboard (#19) along the Headboard Bracket (#3) to ensure it is centred in the case.

### Part & Tools:

#19 Headboard  
Leveller Stops



### Pro Tip:

You may remove one of the studs if there is too much angle.

## Installation Support

If you encounter any difficulties during the installation process, our friendly support team is here to help!

To reach our installation our experts:

Call us toll-free at (866) 463-6233, extension 204.

Email us at [install@embedproducts.com](mailto:install@embedproducts.com).

Visit our website at [embedproducts.com/install-guide](https://embedproducts.com/install-guide) for additional resources and ways to reach out for support.



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