

EMBED

Instruction Manual



HYBRID EMBED

Part List

PART NAME	QTY	PART NAME	QTY
1. Left Case	(1)	12. Right Cover	(1)
2. Right Case	(1)	13. Headboard Rail	(1)
3. Left Stop	(1)	14. Left Rail	(1)
4. Right Stop	(1)	15. Right Rail	(1)
5. Case Top	(1)	16. Handle	(1)
6. Back Moulding	(1)	17. Front Panel	(2)
7. Front Moulding	(1)	18. H Centre Rail	(2)
8. Front Base Rail	(1)	19. Centre Panel	(1)
9. Back Base Rail	(1)	20. Footboard Rail	(1)
10. Headboard Bracket	(1)	21. Stiffening Strap	(2)
11. Left Cover	(1)	22. Headboard	(1)

Hardware & Tool List

Bagged Hardware:

- | | |
|---|------|
| • 5/8" Wood Screws | (18) |
| • 2 1/2" Wood Screws | (2) |
| • 2 1/2" Structural Screws | (4) |
| • 5/8" Machine Screws | (20) |
| • 3/4" Wood Screws | (28) |
| • Angle Brackets | (4) |
| • Hook Strap with 5/8"
Wood Screw & Washer | (1) |
| • Loop Strap with 5/8"
Wood Screw & Washer | (1) |
| • Leveller Stop | (2) |

Pre-Installed Hardware:

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

Tools Included:

- Stud Finder
- 4mm Allen Bit
- 3/16" Allen Bit
- Torx T40 Bit
- 19mm Ratcheting Wrench

Tools Required:

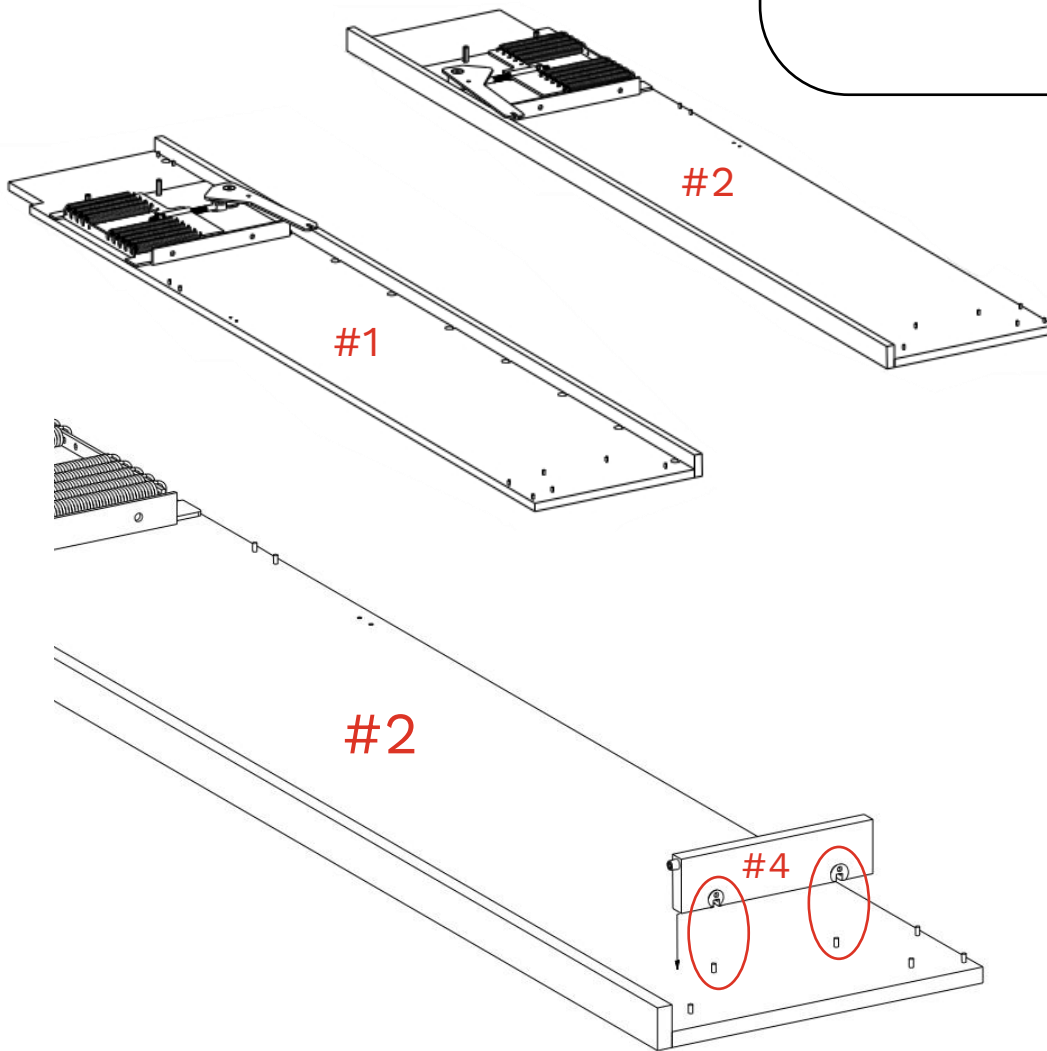
- Phillips Screwdriver
- Tape Measure
- Powered Drill with
Robertson Bit
- 1/4" Wood Drill Bit
- Level
- Ladder

Step 1. Attach Door Stops

- Lay out the Left Case (#1), Right Case (#2) on the floor.
- Attach the Left Stop (#3) to the Left Case (#1). Use a Phillips screwdriver to tighten the pre-installed cams on the pin. A quarter turn will tighten the cam on the pin.
- Repeat this step with the Right Stop (#4) on the Right Case (#2).

Part & Tools:

#1 Left Case
#2 Right Case
#3 Left Stop
#4 Right Stop
Phillips Screwdriver

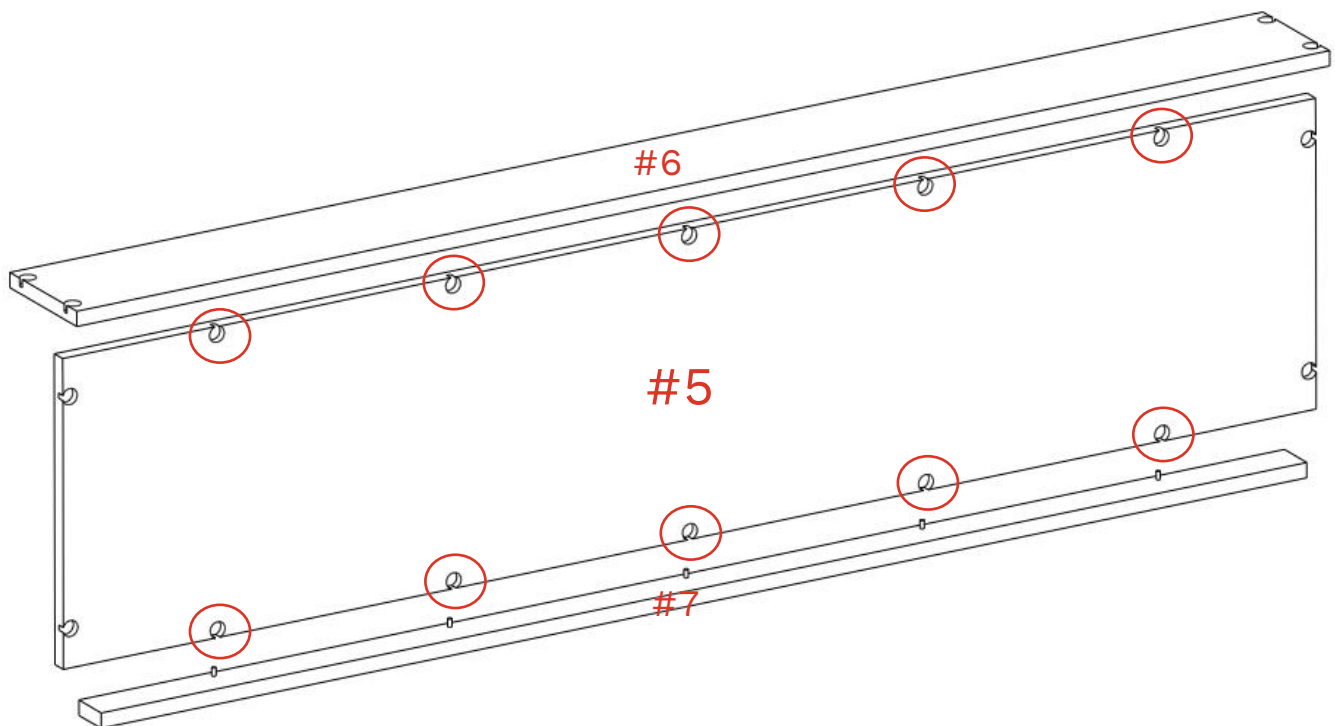


Step 2. Attach the Mouldings

- Lay out the Back Moulding (#6) on the floor. Place the Case Top (#5) on top of the moulding to align the cams with the pins.
- Use a Phillips screwdriver to tighten the five cams along the back of the Case Top (#5).
- Repeat the process to attach the Front Moulding (#7) to the Case Top (#5).

Part & Tools:

#5 Case Top
#6 Back Moulding
#7 Front Moulding
Phillips Screwdriver

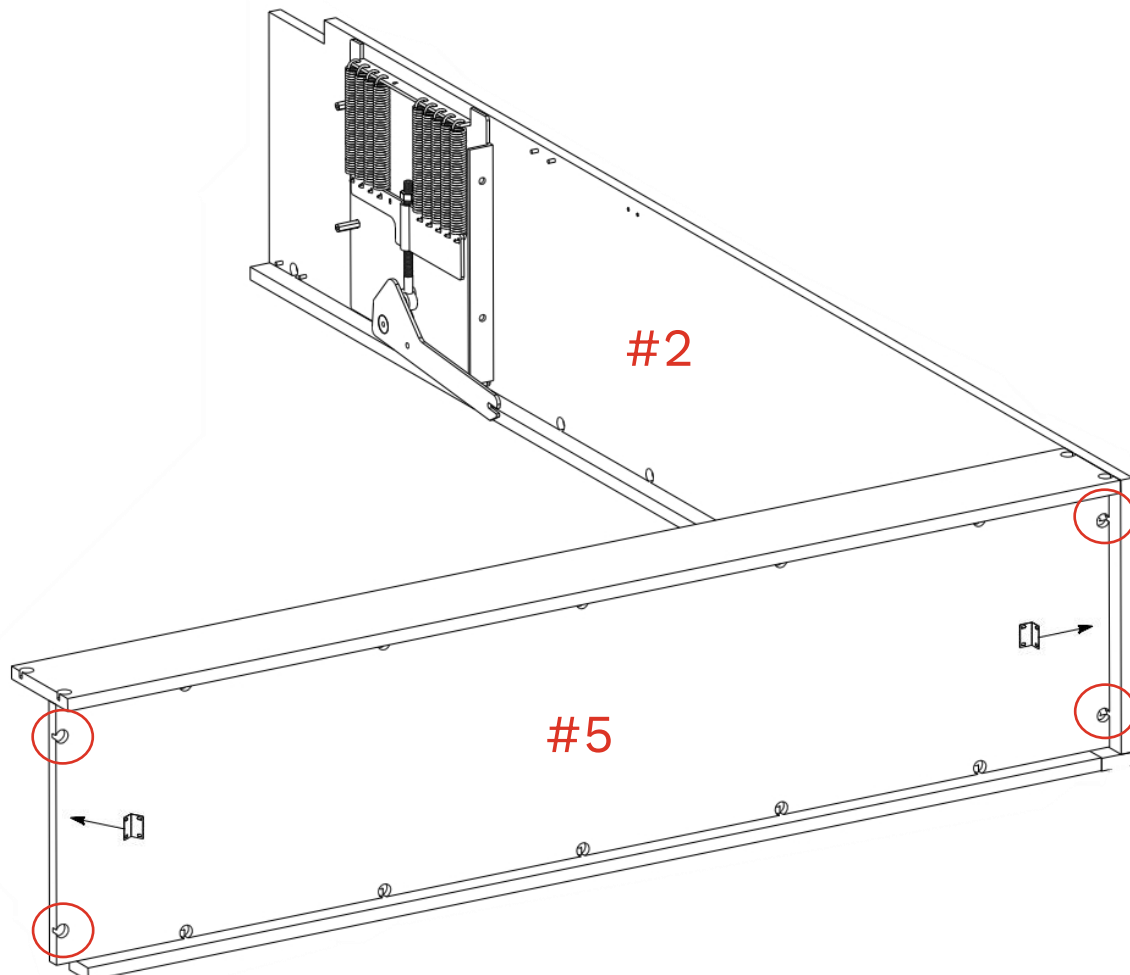


Step 3. Assemble the Case

- Take the Left Case (#1) and align the pins with the cams on the Case Top (#5).
- Use a Phillips screwdriver to tighten the two cams on the Case Top (#5) and two cams on the Front Moulding (#7).
- Repeat this process to attach the Right Case (#2) to the Case Top (#5).
- Use a drill and four 5/8" wood screws per angle bracket to attach it to the left and right corner of the Case Top (#5).

Part & Tools:

#1 Left Case
#2 Right Case
#5 Case Top
#7 Front Moulding
Two Angle Brackets
Eight 5/8" Wood Screws
Phillips Screwdriver
Drill with Robertson Bit

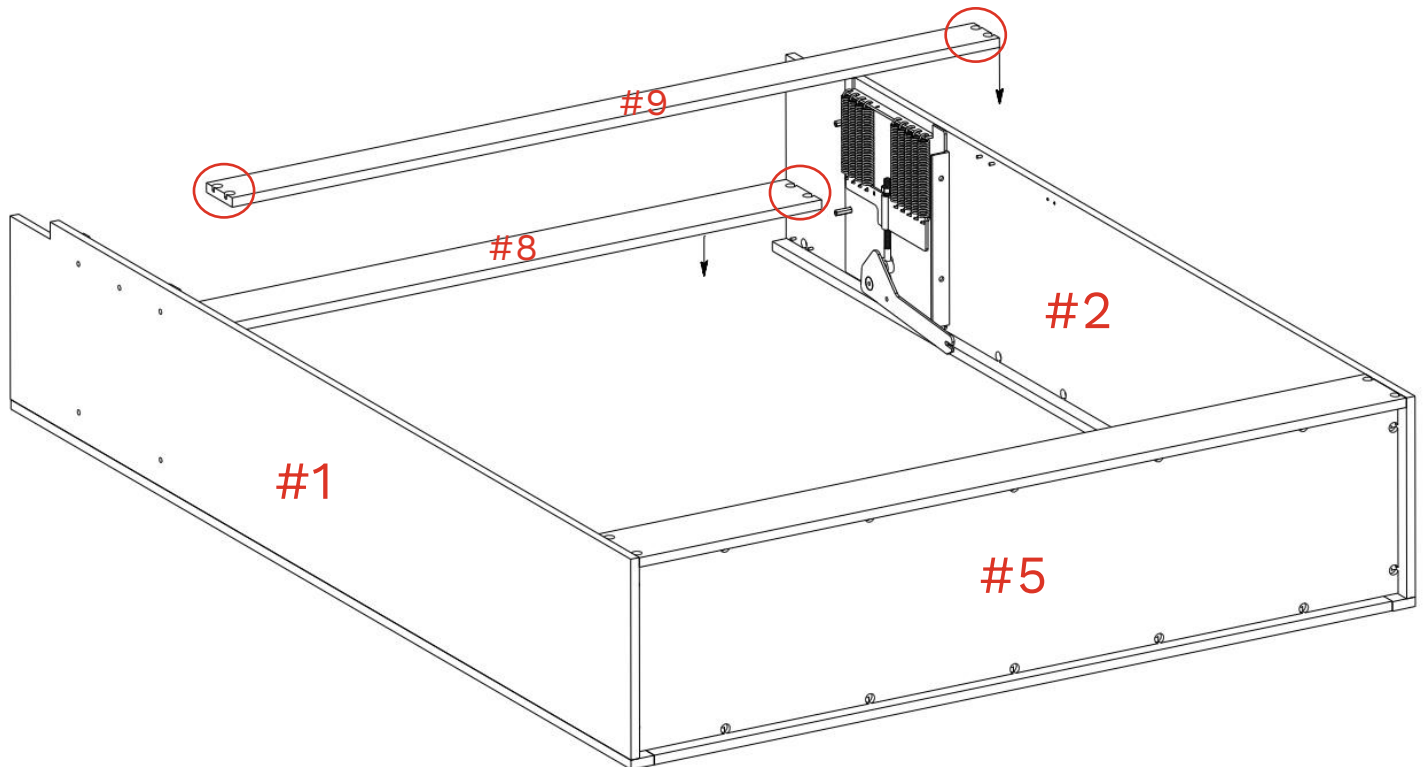


Step 4. Attach Lower Rails

- Align the Front Base Rail (#8) on top of the case sides with the cams and pins.
- Use a Phillips screwdriver to tighten the two cams on the left and right side of the Front Base Rail (#8) to the Left Case (#1) and Right Case (#2).
- Align the Back Base Rail (#9) on the base of the case sides with the cams and pins.
- Use a Phillips screwdriver to tighten the two cams on the left and right side of the Back Base Rail (#9) to the Left Case (#1) and Right Case (#2).

Part & Tools:

#1 Left Case
#2 Right Case
#8 Front Base Rail
#9 Back Base Rail
Phillips Screwdriver



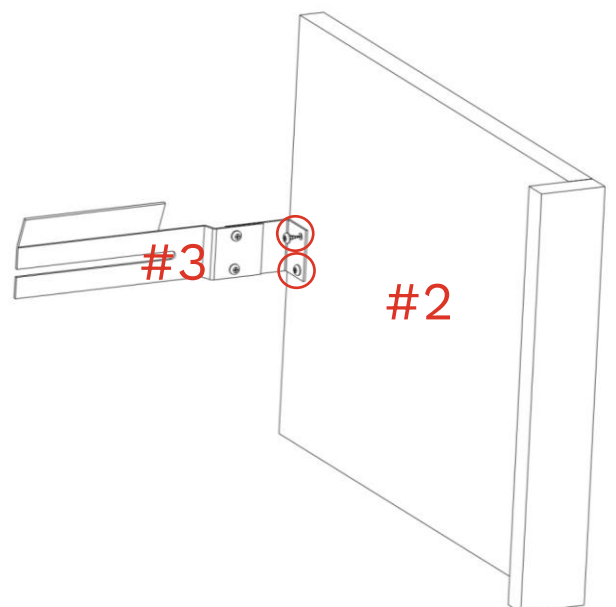
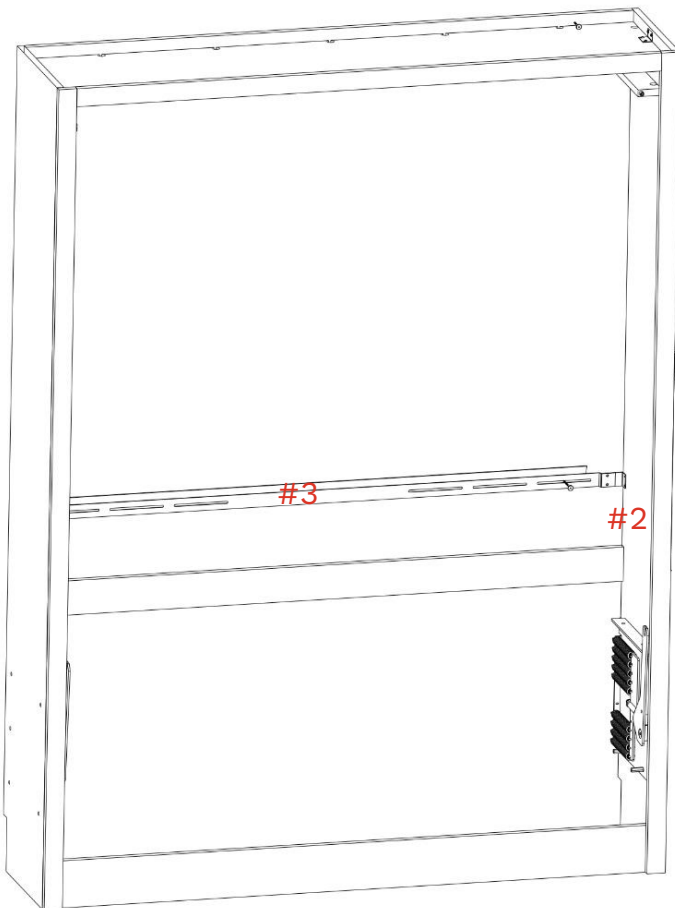
Pro Tip: To insert the Front Base Rail (#8), spread the case ends slightly to slide onto the pins. To insert the Back Case Rail (#9), have two people hold each end and slide the rail up from below.

Step 5. Attach Headboard Bracket

- Have two people lift the case up and place the Embed case against the wall in the desired position.
- Line up the Headboard Bracket (#10) 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 a drill and two 5/8" wood screws to attach the Headboard Bracket (#10) to the Left Case (#1).
- Repeat this process to attach the Headboard Bracket (#3) to the Right Case (#2).

Part & Tools:

#1 Left Case
#2 Right Case
#10 Headboard Bracket
Four 5/8" Wood Screws
Drill with Robertson Bit

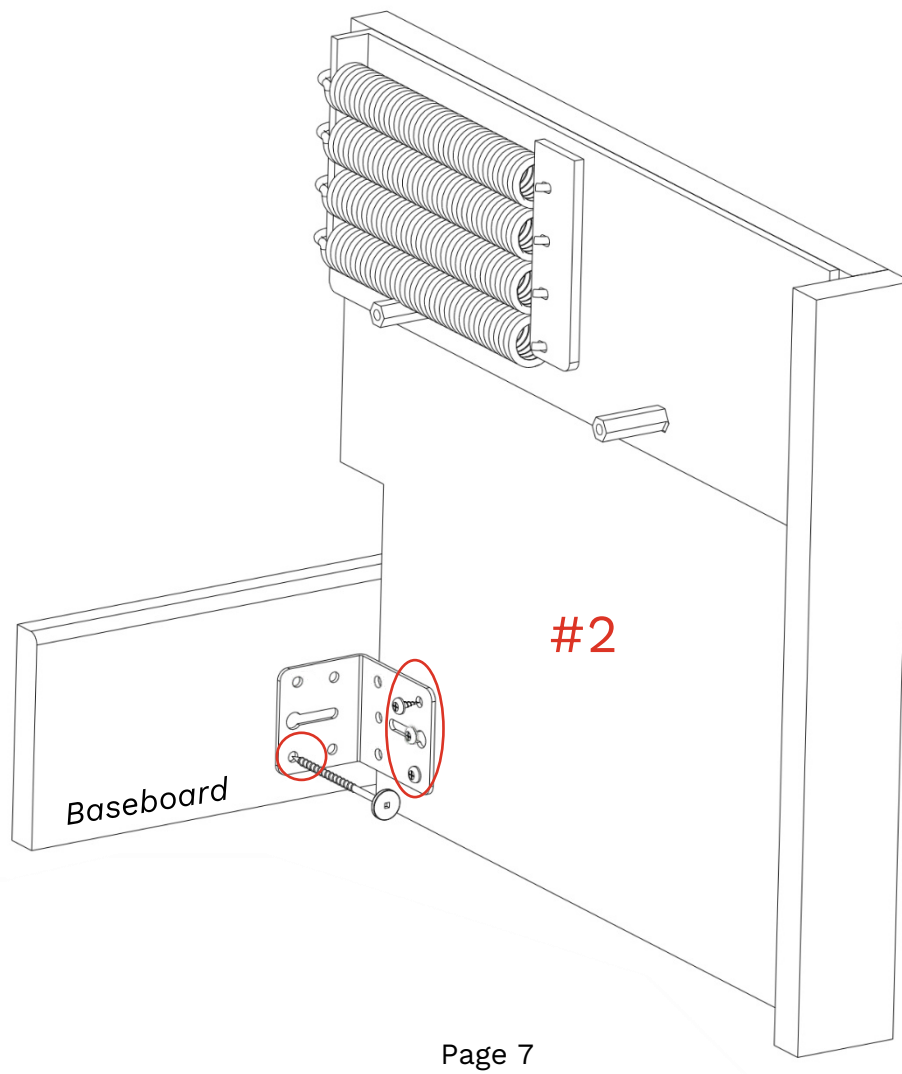


Step 6. Attach Case to Baseboard

- Position the Embed case flush against the wall in the desired position.
- Using a drill, drill in three $\frac{5}{8}$ " wood screws to attach an angle bracket to the Left Case (#1). Then drill in one $2\frac{1}{2}$ " wood screw to attach the angle bracket to the baseboard.
- Repeat this process to attach an angle bracket to the Right Case (#2) and the baseboard.

Part & Tools:

#1 Left Case
#2 Right Case
Two Angle Brackets
Six $\frac{5}{8}$ " Wood Screws
Two $2\frac{1}{2}$ " Wood Screws
Drill with Robertson Bit



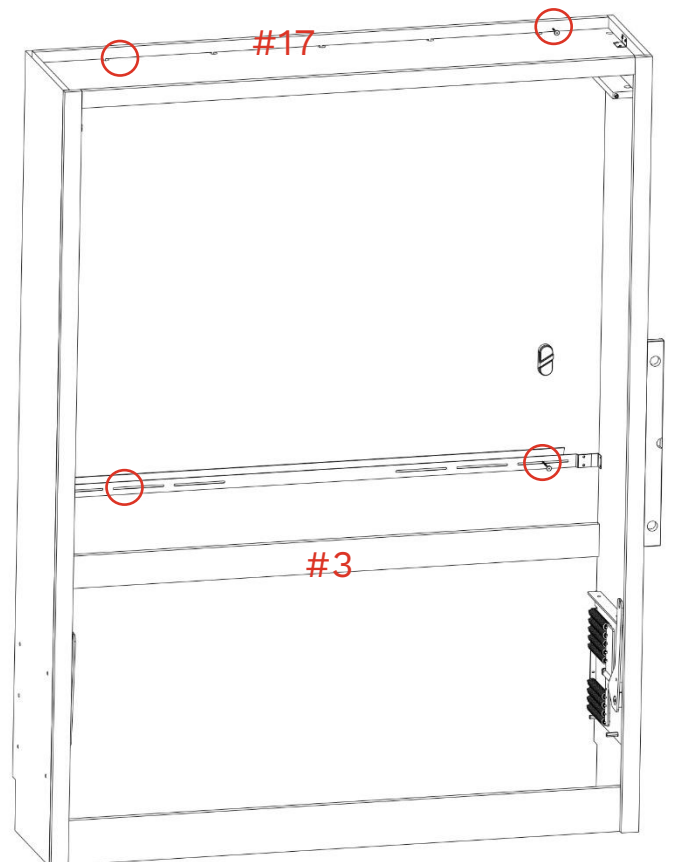
Step 7. Attach Case to Wall

- 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 (#3) where the screw should go in. Drill into the stud closest to the case sides.
- Using a drill with the Torx T40 bit, drill in two 2 ½" structural screws through the left and right side of the Headboard Bracket (#3).
- 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 Back Moulding (#17).
- Using a drill with the Torx T40 bit, drill in two 2 ½" structural screws through the left and right side of the Back Moulding (#17).

Part & Tools:

Four 2-1/2" Structural Screws
Stud Finder
Torx T40 Bit
¼" Wood Drill Bit
Measuring Tape
Level
Ladder

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

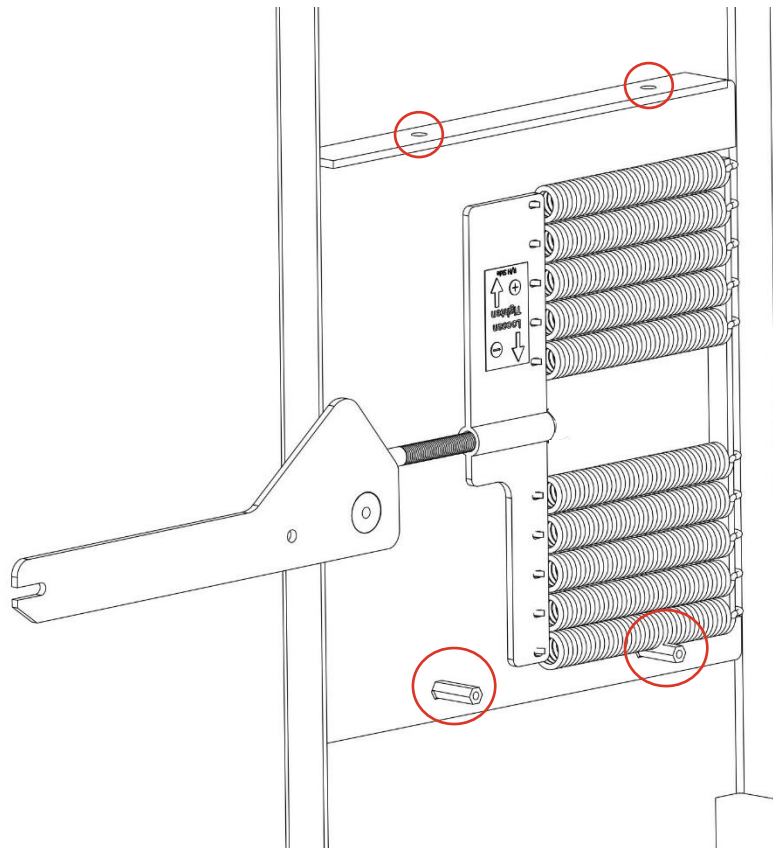


Step 8. Prepare Mechanism

- 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 (#11). Temporarily set aside the mechanism cover.
- Repeat this process to remove the Right Cover (#12).
- 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:

- #11 Left Cover
- #12 Right Cover
- 4mm Allen Bit

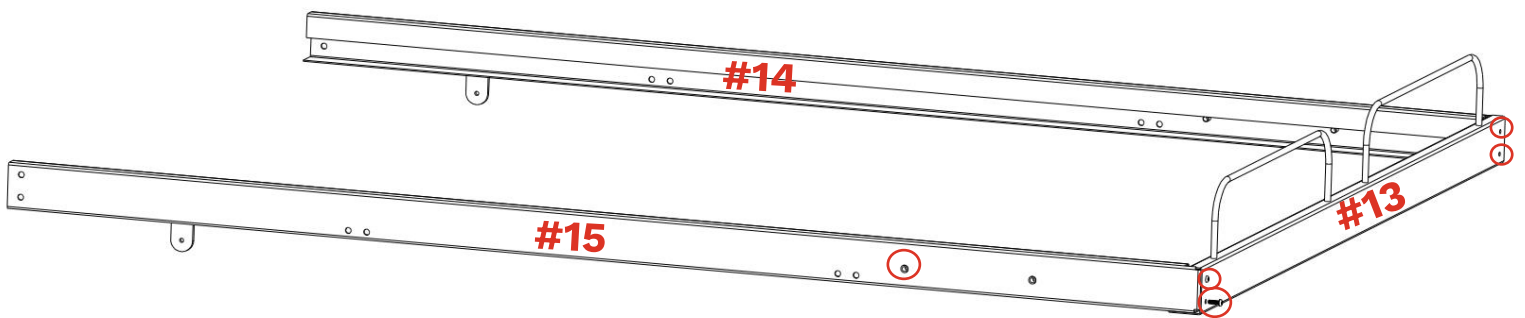


Step 9. Build Bed Frame

- Lay out the Headboard Rail (#13), the Left Rail (#14), and the Right Rail (#15) on the floor. Place the parts in front of the case on the floor in a U shape.
- Align the Headboard Rail (#13) inside the corner of the Left Rail (#14).
- Use the 4mm Allen bit to screw in two $\frac{5}{8}$ " machine screws to attach the Headboard Rail (#13) to the Left Rail (#14).
- 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 (#14). 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 (#13) to the Right Rail (#15).

Part & Tools:

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



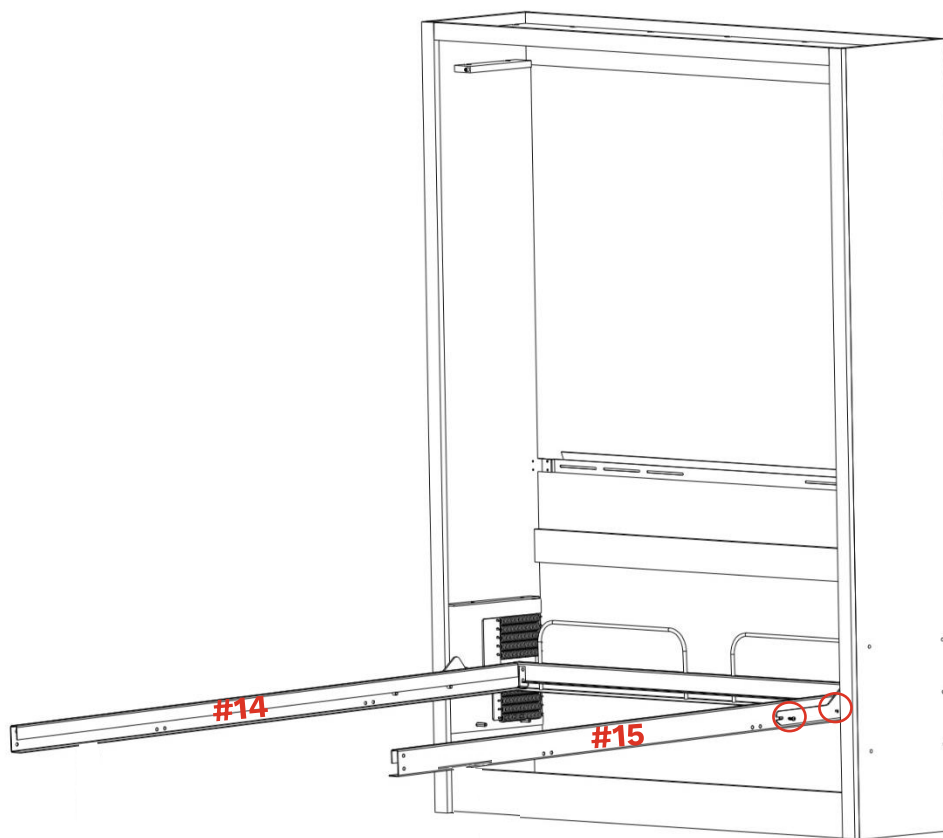
**Note: Do not use power tools for this operation
as you may cross thread the screws.**

Step 10. 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 (#14).
- Use the 4mm Allen bit to tighten the partially inserted screw on the Left Rail (#14).
- Repeat the process on the Right Rail (#15).

Part & Tools:

#14 Left Rail
#15 Right Rail
Two 5/8" Machine Screws
4mm Allen Bit

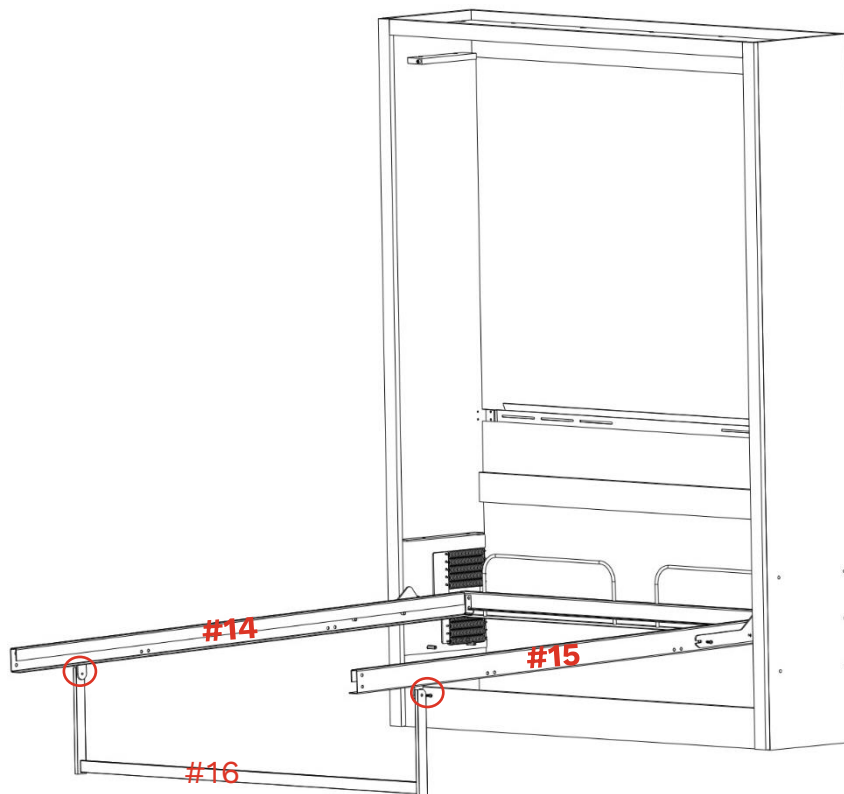


Step 11. Attach Leg to Bed Frame

- Remove the 5/16" machine screws and nylon washers from the tabs under the bed side rails.
- Take the Handle (#16) 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 nylon washer to attach the leg to the Left Rail (#14). The washer is placed in between the Handle (#16) and the tab.
- Repeat process to attach the Handle (#16) to the Right Rail (#15).

Part & Tools:

#14 Left Rail
#15 Right Rail
#16 Handle
3/16" Allen Bit



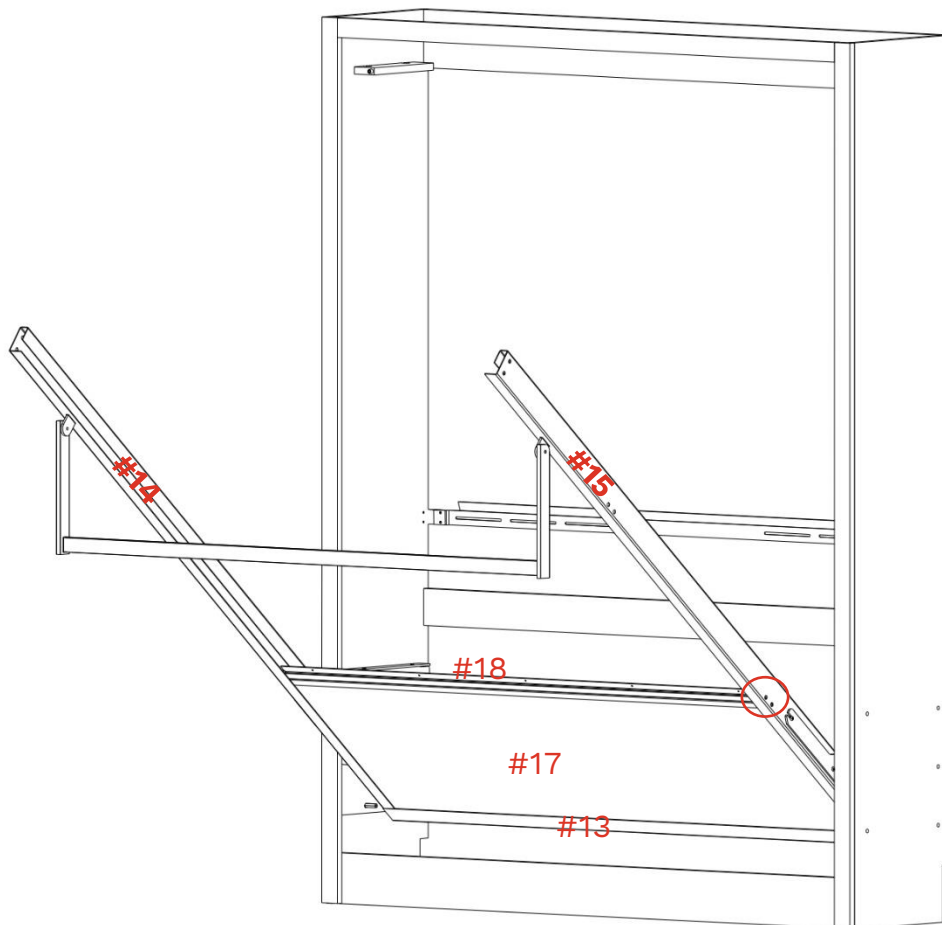
Pro Tip: Do not overtighten the screw as the leg should be able to move smoothly back-and-forth.

Step 12. Assemble Bed Platform

- Slide the Front Panel (#17) into the bed rails. Apply a small amount of pressure under the panel to lift it into the Headboard Rail (#13).
- Attach the H Centre Rail (#18) to the Front Panel (#17) 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 (#14) to attach to the H Centre Rail (#18). Loosely insert both screws prior to tightening to provide ease of assembly.
- Repeat the process to attach the Right Rail (#15) to the H Centre Rail (#18).

Part & Tools:

#13 Headboard Rail
#14 Left Rail
#15 Right Rail
#17 Front Panel
#18 H Centre Rail
Four $\frac{5}{8}$ " Machine Screws
4mm Allen Bit



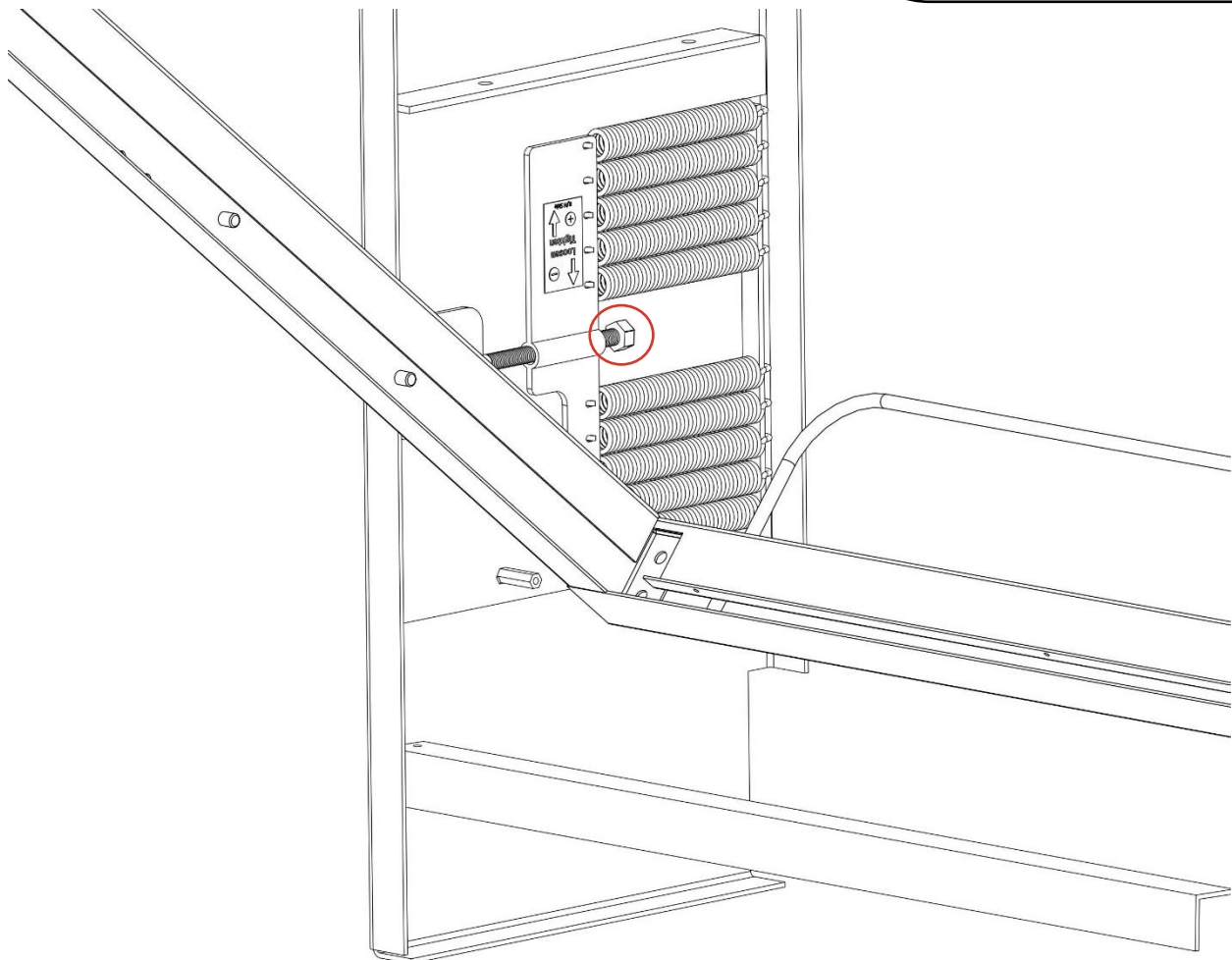
Step 13. Attach Door Stops

- 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

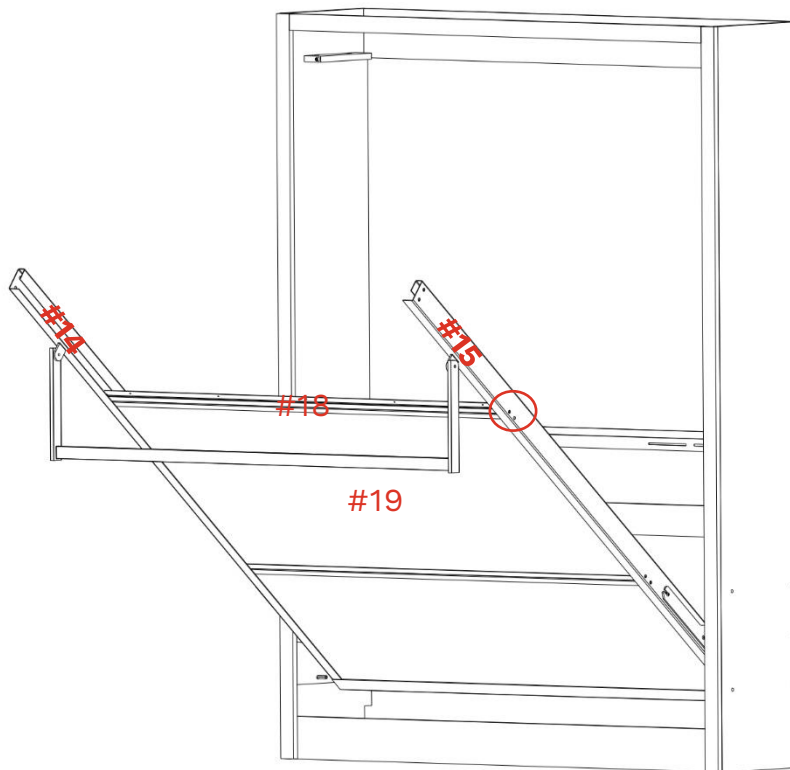


Step 14. Assemble Bed Platform

- Slide the Centre Panel (#19) into the bed rails.
- Attach the H Centre Rail (#18) to the centre bed panel (#19).
- Use the 4mm Allen bit to screw in two $\frac{5}{8}$ " machine screws to the pre-drilled holes on the Left Rail (#14) to attach to the H Centre Rail (#18). Loosely insert both screws as the lack of tension allows the Footboard Rail (#20) to be inserted without additional pressure.
- Repeat the process to attach the Right Rail (#15) to the H Centre Rail (#18).

Part & Tools:

#14 Left Rail
#15 Right Rail
#18 H Centre Rail
#19 Centre Panel
Four $\frac{5}{8}$ " Machine Screws
4mm Allen Bit



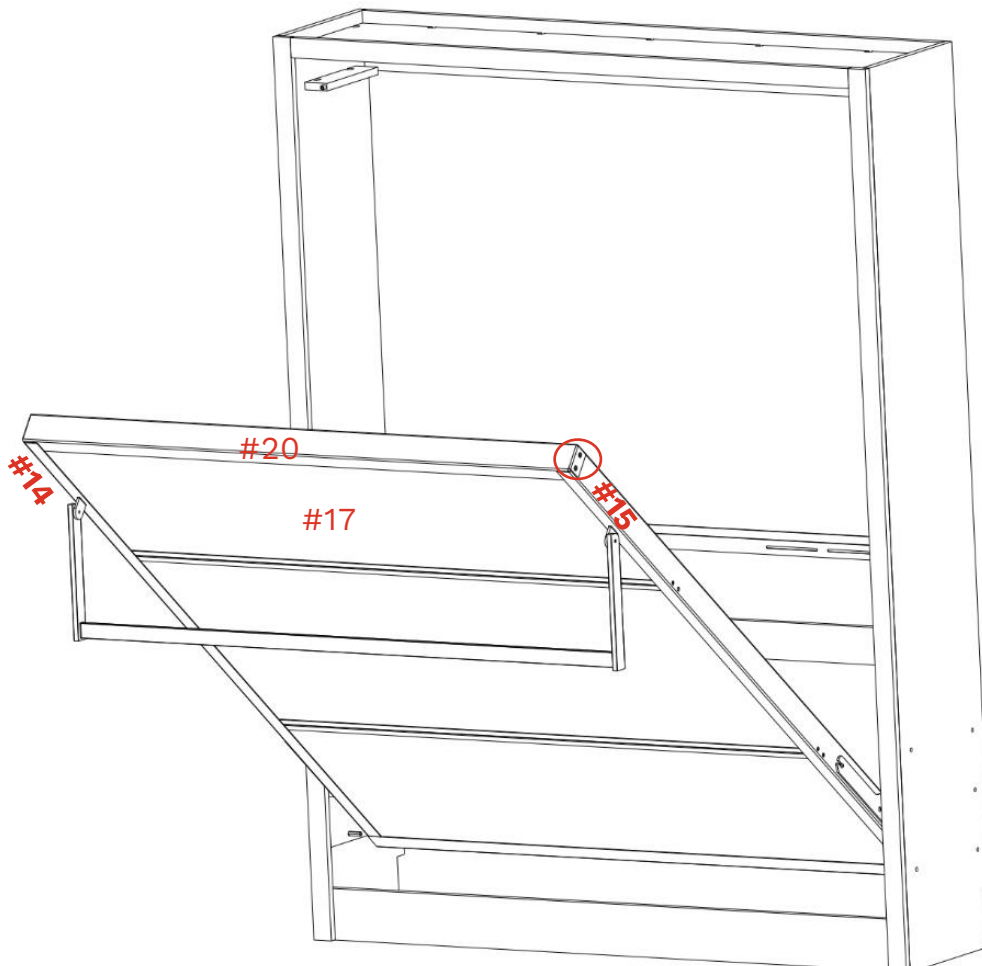
Pro Tip: when sliding the panels into place put some pressure on each bed rail with one hand and hold the panel with the other hand.

Step 15. Assemble Bed Platform

- Slide the Front Panel (#17) into the bed rails.
- Attach the Footboard Rail (#20) to the Front Panel (#17).
- Use the 4mm Allen bit to screw in two $\frac{5}{8}$ " machine screws to pre-drilled holes on the Left Rail (#14) to attach the footboard rail #13. Now that the Footboard Rail (#20) is attached, the screws can be fully tightened.
- Repeat the process to attach the Right Rail (#15) to the Footboard Rail (#20).
- Recheck all screws along the bed side rails to ensure they are fully tightened.

Part & Tools:

#14 Left Rail
#15 Right Rail
#17 Front Panel
#20 Footboard Rail
Four $\frac{5}{8}$ " Machine Screws
4mm Allen Bit

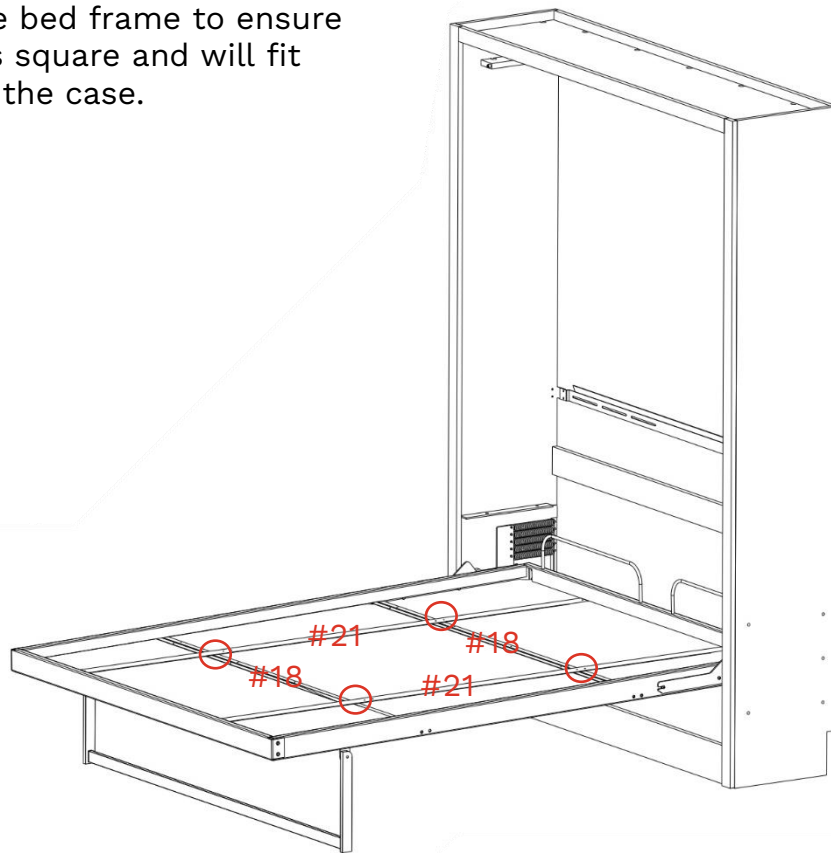


Step 16. Attach Door Stops

- Lay the two Stiffening Straps (#21) vertically on the bed platform. Line up the Stiffening Straps (#14) with the pre-drilled holes along the H Centre Rails (#18).
- There are two pre-drilled holes at each of the cross sections of the Stiffening Straps (#21) and H Centre Rails (#18), for a total of eight pre-drilled holes. Using a drill, drill in four 5/8" 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:

#18 H Centre Rails
#21 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 17. Bed Frame Screws

- Use a drill to insert the remaining four $\frac{5}{8}$ " wood screws at the cross sections of Stiffening Straps (#21) and H Centre Rails (#18).
- Drill in six $\frac{5}{8}$ " wood screws along the inside the of the bed frame into the pre-drilled holes.
- Drill in six $\frac{5}{8}$ " wood screws into all the empty pre-drilled holes in the first H Centre Rails (#18).
- Drill in four $\frac{5}{8}$ " wood screws into the pre-drilled holes in the second H Centre Rail (#18), leaving the left and right holes, closest to the footboard rail empty.
- Attach the hook and loop velcro on the H centre rail using the two empty pre-drilled holes and the attached $\frac{5}{8}$ " wood screw 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.

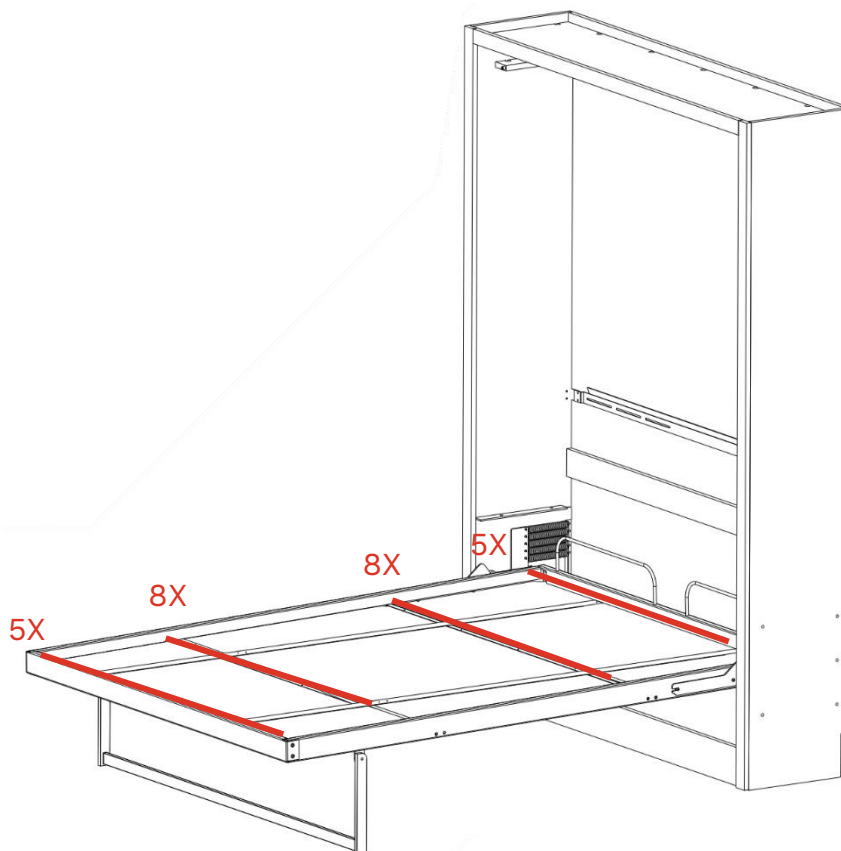
Part & Tools:

#18 H Centre Rails
#21 Stiffening Straps

Twenty-Six $\frac{3}{4}$ "
Wood Screws

Hook Strap with
 $\frac{5}{8}$ " Wood Screw & Washer

Loop Strap with
 $\frac{5}{8}$ " Wood Screw & Washer

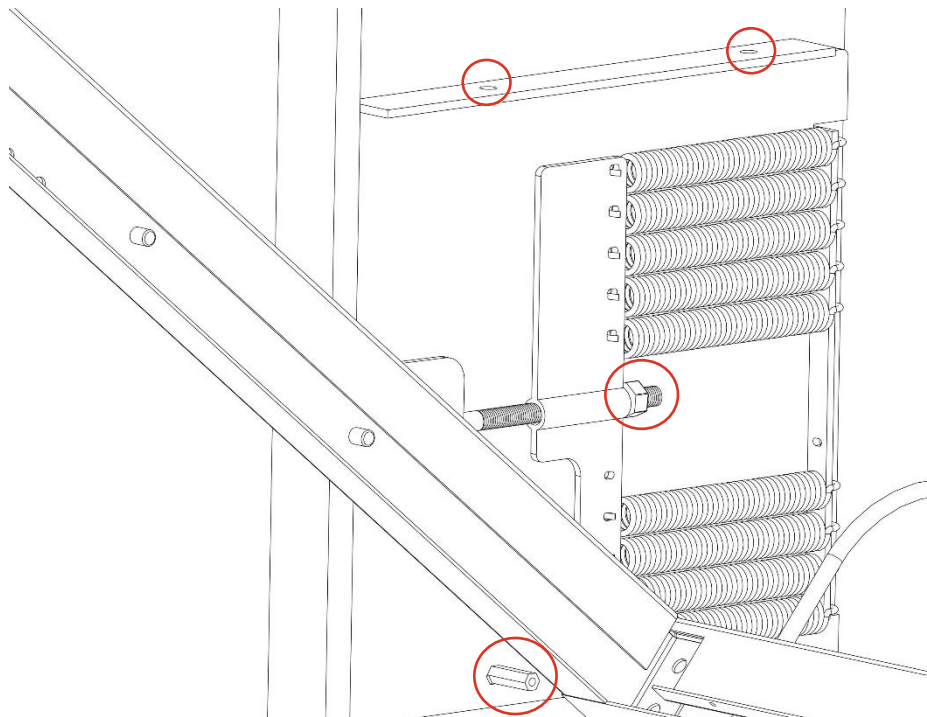


Step 18. Mechanism Adjustment

- 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 (#18). Tighten the two $\frac{1}{2}$ " machine screws at the base of the mechanism cover.
- Repeat this process to re-attach the Right Cover (#12).

Part & Tools:

#11 Left Cover
#12 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 19. Mattress & Headboard

- Place the mattress in place and secure it with the hook and loop velcro strap. Now that a mattress weight is added, it will hold the bed platform open itself.
- Lay the Headboard (#22) 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 (#22), putting one side in first, place the top of the Headboard (#22) close to the wall and carefully slide it down, catching the Headboard Bracket (#10).
- Move the Headboard (#22) along the Headboard Bracket (#10) to ensure it is centred in the case.

Part & Tools:

- #10 Headboard Bracket
- #22 Headboard
- Leveller Stops

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

