



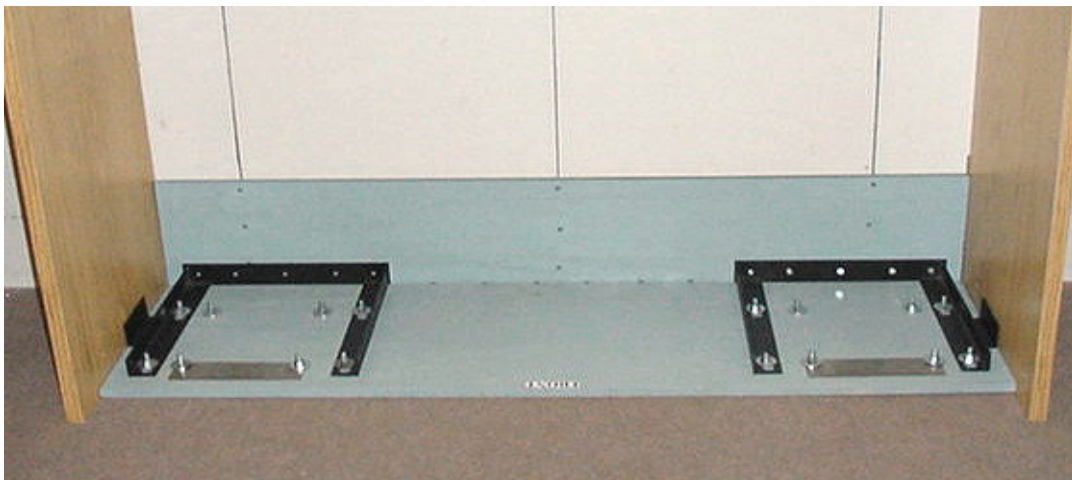
ROOM MAKER® WALL BED

WALL ATTACHMENT INSTALLATION INSTRUCTIONS

There may be times when it is impossible or impractical to attach your SICO Room Maker Bed to the floor. When this happens, the bed may be attached to a structural wall by following these instructions. A wall mounting kit is required for this type of attachment.

Standard wall mounting kits are designed to work with Sico standard bed opening depths of 22" or 24". If you are installing in an opening of different depth, check with the factory prior to installation.

Read and understand the instructions before starting the installation of this kit. Note stud requirements, page 3.



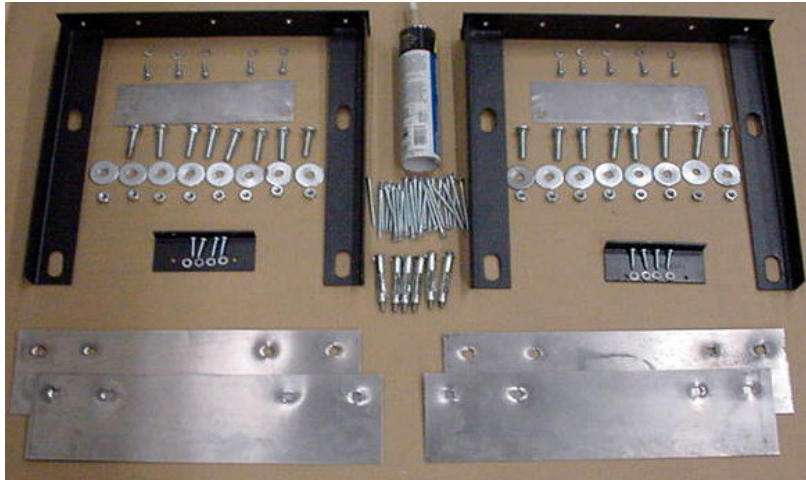
View Of An Installed Wall Attachment Kit for a 22" deep recess,
see page 4 for difference if recess is 24" deep.
[Vertical Side Panels Not Included As Part Of The Kit]



WARNING

This bed must be securely anchored to the wall or floor. Failure to follow instructions may cause the baseplate or hinges to release, which could cause serious injury.

The items shown below make up the wall attachment kit

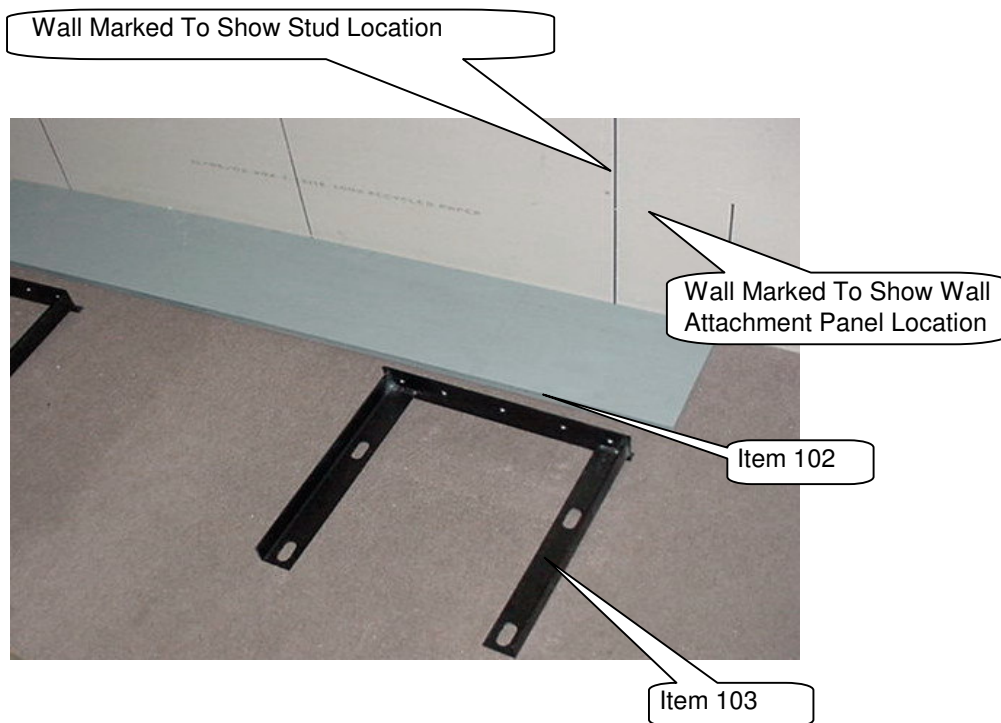


Item	Part #	Description	# Req'd (22" dp recess)				# Req'd (24" dp recess)			
			Twin	Dbl	Queen	King	Twin	Dbl	Queen	King
101	C111699-01	Baseplate, Twin	1				1			
101	C111699-02	Baseplate, Double		1				1		
101	C111699-03	Baseplate, Queen			1				1	
101	C111699-04	Baseplate, King				1				1
102	C111694-01	Wall Attachment Panel, Twin	1				1			
102	C111694-02	Wall Attachment Panel, Double		1				1		
102	C111694-03	Wall Attachment Panel, Queen			1				1	
102	C111694-04	Wall Attachment Panel, King				1				1
103	C111695B	Wall Attachment Bracket Weldment	2	2	2	3				
103	C111695-24B	Wall Attachment Bracket Weldment					2	2	2	3
104	C109047	Bearing Plate	2	2	2	3	2	2	2	3
105	C111691B	Clip	2	2	2	2	2	2	2	2
106	C111698	Bearing Plate	4	4	4	6	4	4	4	6
107	C100698	Adhesive, Tube	1	1	1	2	1	1	1	2
108	C111693	Screw, #10 x 3"	23	27	31	38	23	27	31	38
109	C100256	Carriage Bolt, 3/8-16 x 1 3/4	16	16	16	24	16	16	16	24
110	C118175	Screw, Rd Hd Phillips, #12 x 1"	19	19	19	24	19	19	19	24
111	C117899	Washer, Spring Lock, #12	19	19	19	24	19	19	19	24
112	C090108	Washer, 1 1/2" OD	16	16	16	24	16	16	16	24
113	C000318	Nut, Hex 3/8-16	16	16	16	16	16	16	16	16
114	C100976	Wall Anchor, 1/4" x 2 1/2" Long	6	6	6	6	6	6	6	6

Concrete Anchor [Included in the wall bed accessory pack]

Tools Required: Caulking Gun
 Power Drill / Screwdriver
 Bits: #2, #3 Phillips, 1/4", 7/16" Drill
 9/16" Wrench

- NOTE: If you are attaching to a concrete wall, see the bed installation instructions for concrete anchor installation instructions and tool requirements. See also the instructions of page 12 of this booklet.
- NOTE: The wall attachment kit utilizes a different base plate than is normally furnished with a Sico Wall Bed.
- NOTE: If you encounter difficulties because of special wall construction, contact Sico Customer Service. See back page for contact information.



Step 1

Determine where the bed is going to be installed. Locate and mark the wall studs in this area. If you have some flexibility in location, **position the bed so that the wall attachment panel is over as many studs as possible; twin & double beds a minimum of two studs, queen & king beds a minimum of 3 studs.**

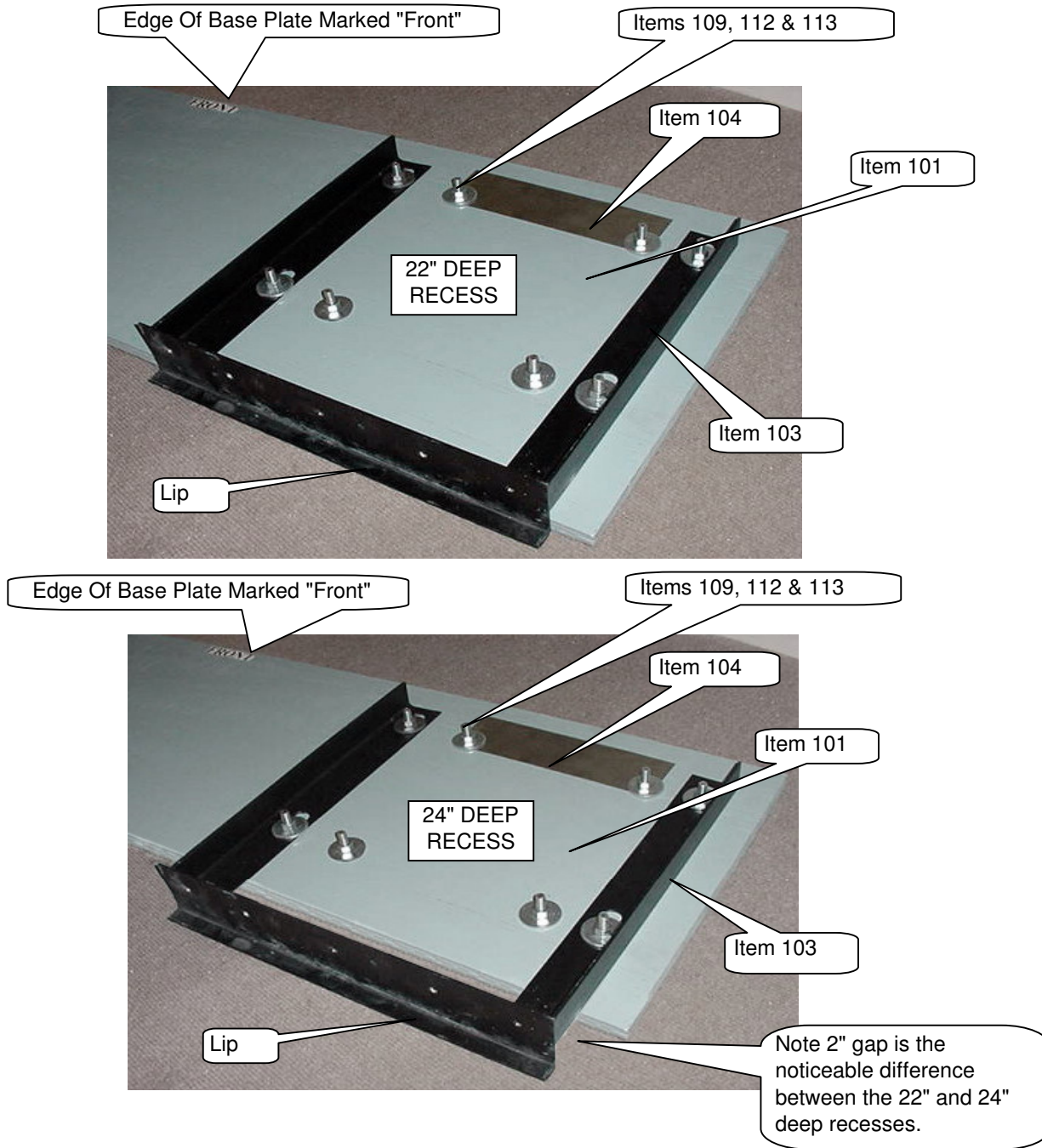
Screws must go into studs. To assure that the screws go into the studs, mark the location of the studs just above the position of the wall plate.

Wood studs can be located with an acoustical stud finder, metal studs can be located with a magnetic or electronic stud finder. Small holes can be made to probe studs in wall board area, as board will cover the holes.

When installing the wall attachment system to a concrete wall, the recommended fasteners are Red Head #HN-1230 1/2"-13 Expansion Anchors [Furnished as part of the wall bed accessory pack]

Wall Attachment Bracket - [Item 103]

Wall Attachment Panel - [Item 102]

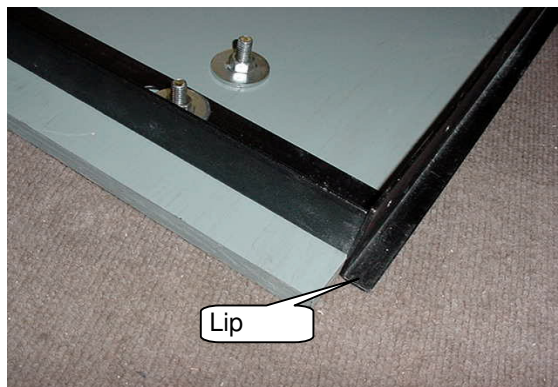
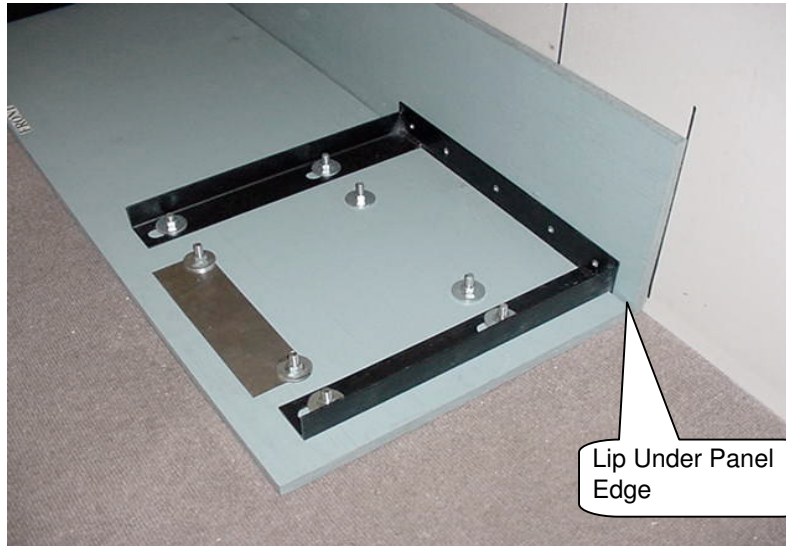


Step 2 Attach the wall attachment bracket to the base plate as shown above. [May be shipped assembled] Only finger tighten the nuts as it may be necessary to do some adjusting when the bed is attached to the base plate, Make certain that the end of the wall attachment bracket that has the lip is opposite from the side of the

- Baseplate [Item 101]
- Wall Attachment Bracket [Item 103]
- Bearing Plate [Item 104]
- 3/8" X 1 3/4" Long Carriage Bolt [Item 109]
- 1 1/2" Diameter Washer [Item 112]
- 3/8" Hex Nut [Item 113]

Step 3 The wall attachment panel will be attached to the wall with screws and adhesive. **To make certain that the panel is attached as soon as possible after the adhesive has been applied, go through the installation procedure before applying the adhesive.**

Place the wall attachment panel against the wall in the location previously determined. Place the baseplate against the panel with the lips of the wall attachment bracket underneath the bottom edge of the wall attachment panel.

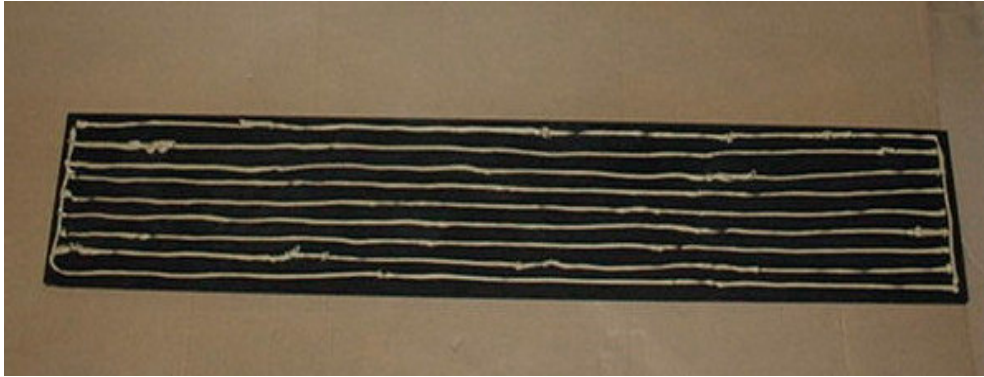


Note the lip on the Wall Attachment Bracket. **This lip must be under the bottom edge of the Wall Attachment Panel.**

Note 22" deep recess is shown, see page 4 for difference if recess is 24" deep.

If everything looks OK, proceed with the attachment of the wall panel to the wall with adhesive and screws.

If there are gaps between the panel and the wall because of uneven walls or if there is more than 10" from the end of the wall panel to the stud location, it will be necessary to use additional anchors to make certain that the panel is tight against the wall while the adhesive is setting up. See page 12 for further instructions.



Step 4 The surface of the wall attachment panel and the surface of the back wall must be clean and free of dust. If the wall is finished with wall paper, using the back panel as a template, mark the paper, cut and then remove the paper and glue from the area where the wall panel is going to be attached.

Apply the adhesive to the back side of the wall attachment panel. First and last rows should be 1" in from the edge of the panel. Follow a "back-and-forth" pattern as shown on the above photo with about 1" between beads of the adhesive. The adhesive tube nozzle should be cut to give a 1/4" bead of adhesive.

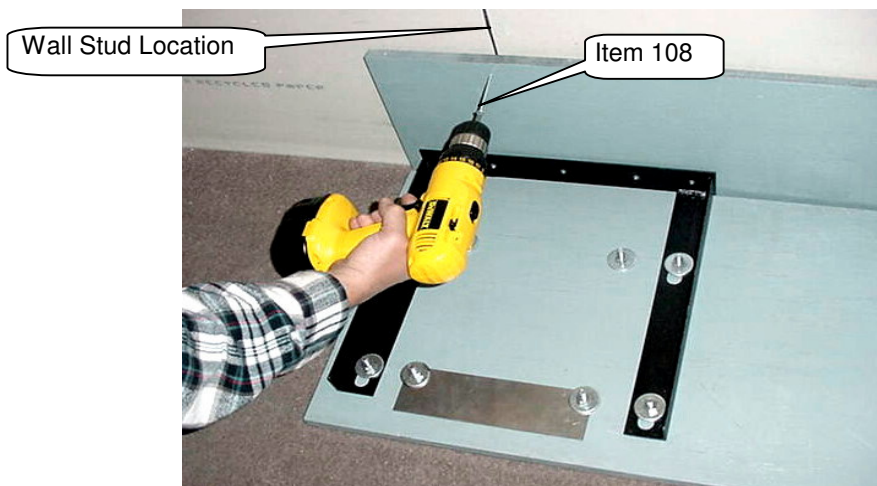
Once the adhesive has been applied, it is important to return the panel to the wall location previously determined and start the attachment quickly as is outlined in Step 5.

Recommended Adhesive is TITEBOND #5261 Mastic [Supplied]

Adhesive [Item 107]



Step 5 Move the baseplate & wall attachment panel to the wall with the wall attachment panel against the wall, making certain that the wall attachment bracket lip is **under** the wall panel edge.



Note 22" deep recess is shown, see page 4 for difference if recess is 24" deep.

Step 6 With the wall panel pressed against the wall, drive screws into the wall attachment panel at two wall stud locations. These screws will keep the Wall Panel in position so that the baseplate may be removed.

If the wall is concrete, use the six concrete anchors that are furnished as part of the bed installation accessory pack. Two each end and two at the center. Refer to the bed installation booklet for anchor installation instructions.

3" Deck Screws [Item 108]

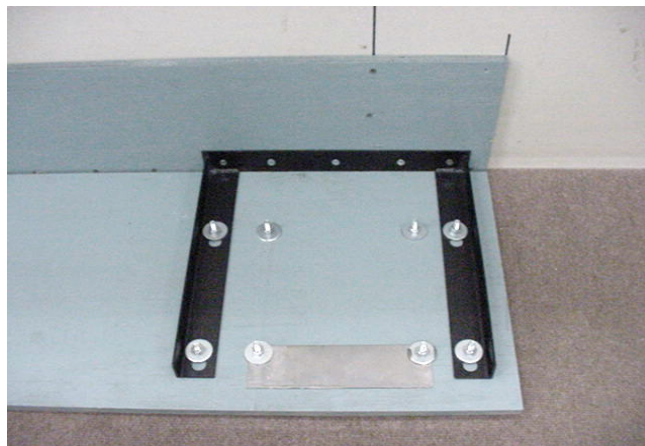
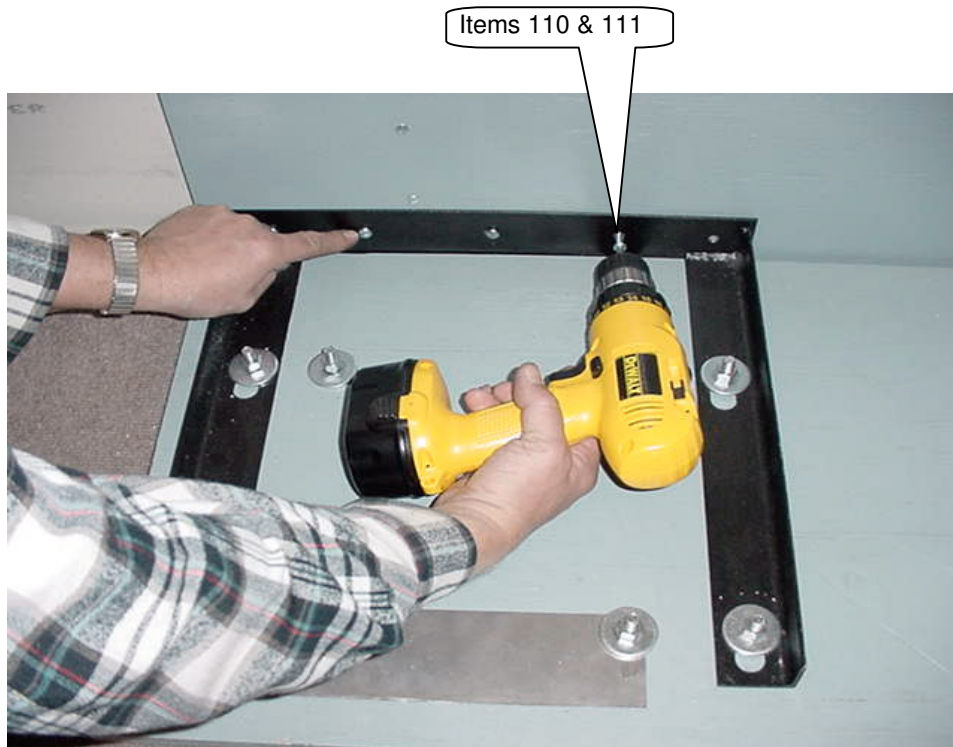


Step 7 Remove the baseplate. **Install screws along the bottom edge of the wall attachment panel low enough so that they go into the wall-stud base. Install screws approximately every 4". A slight downward angle may be needed to assure the screws going into the base stud or channel. Also install screws 4" apart through the wall panel and into the vertical wall studs, at least 3 per stud.**

Be careful not to over tighten the screws which could cause them to strip out. If a screw is stripped, install another screw next to it.



Once all the screws are installed, move on to Step 8.



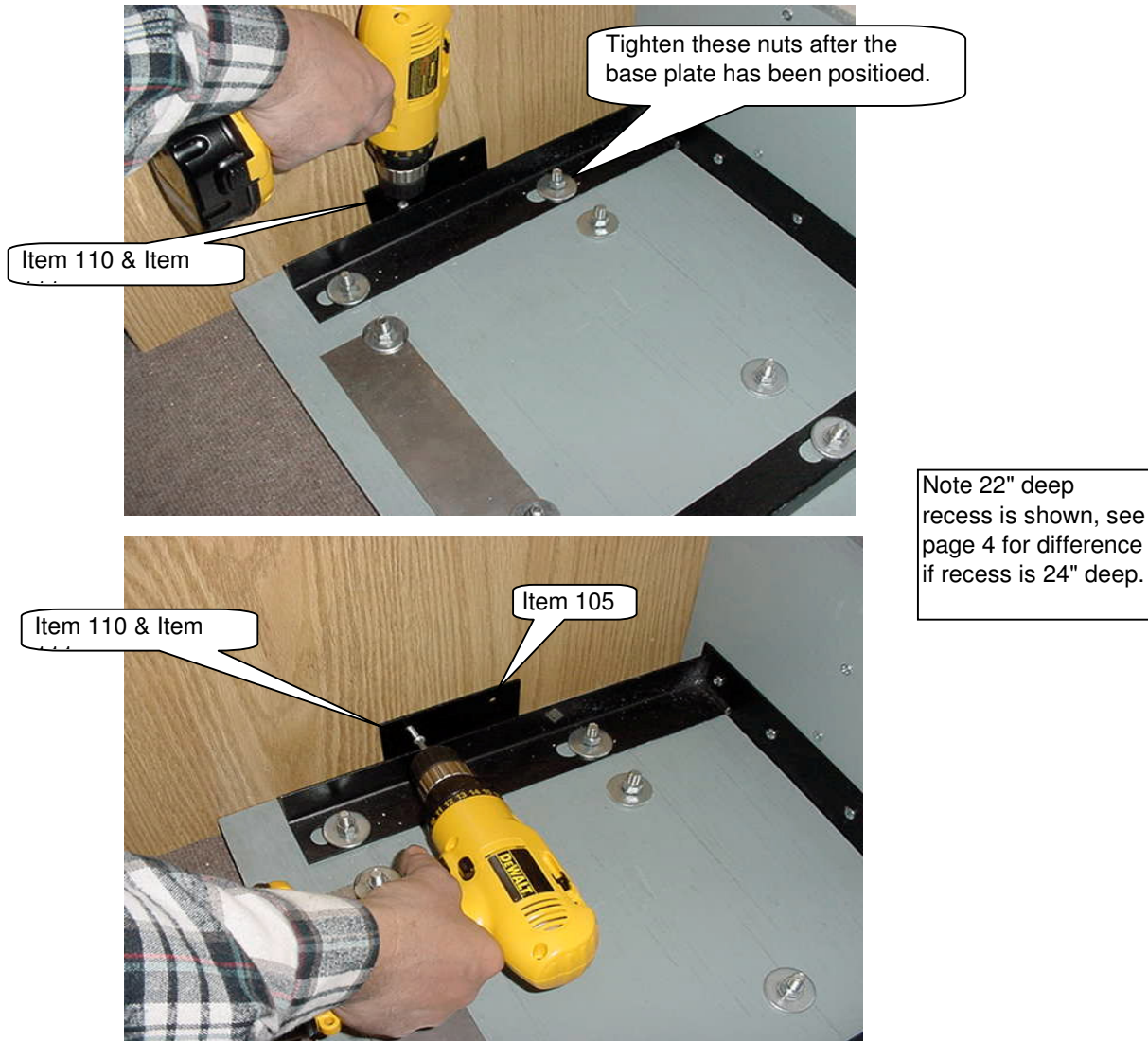
Note 22" deep recess is shown, see page 4 for difference if recess is 24" deep.

Step 8 Attach the wall attachment brackets to the wall panel with five screws & lock washers, each bracket, as shown above. Make certain that the wall attachment brackets are pulled tight against the wall panel. Be careful that you do not strip the screws as they are being installed.

#12 x 1" Long Wood Screws [Item 110]

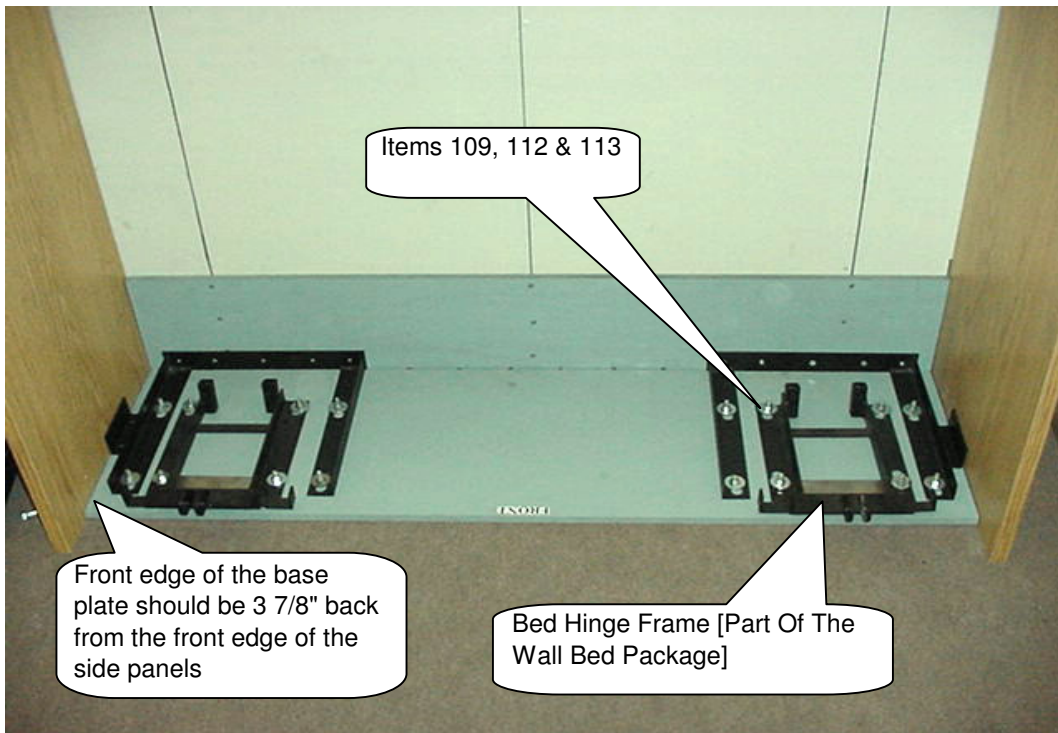
#12 Spring Lock Washers [Item 111]

If the side panels are already in place or after the installation of the side panels, the base plate is attached to the side panels. The front edge of the base plate should be 3 7/8" back from the front edge of the vertical side panel. After the base plate has been correctly positioned, the nuts that secure the wall attachment bracket to the base plate are tightened.



Step 09 Attach side clips to the baseplate and to the vertical side panel on both sides of the opening.. If the side panel is less than 1" thick, do not use the Item 111 screws. Use a shorter screw to prevent the screws from going through the side panel.

- Base Plate Clip [Item 105]
- #12 x 1" Screws [Item 110]
- #12 Spring Lock Washers [Item 111]



Note 22" deep recess is shown, see page 4 for difference if recess is 24" deep.

Step 10 This photo illustrates the beginning of the installation of the wall bed, the installation of the bed hinge frames. Finger tighten the nuts. Make certain that the 1 1/2" washers [furnished] are used at all attachment points.

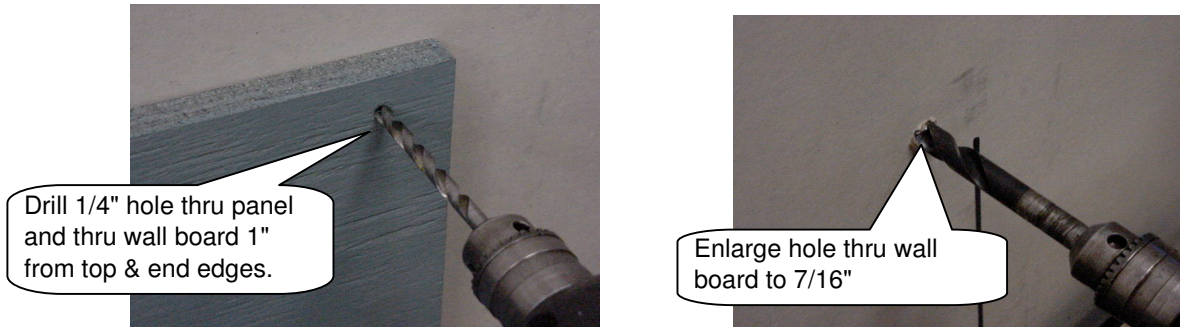
The Wall Bed can now be installed following the instructions provided with the bed. After installation and operational adjustments have been made, leave the bed in the up position for 24 hours to allow the adhesive to cure.

- 3/8" X 1 3/4" Long Carriage Bolt [Item 109]
- 1 1/2" Diameter Washer [Item 112]
- 3/8" Hex Nut [Item 113]
- Bed Hinge Frame *

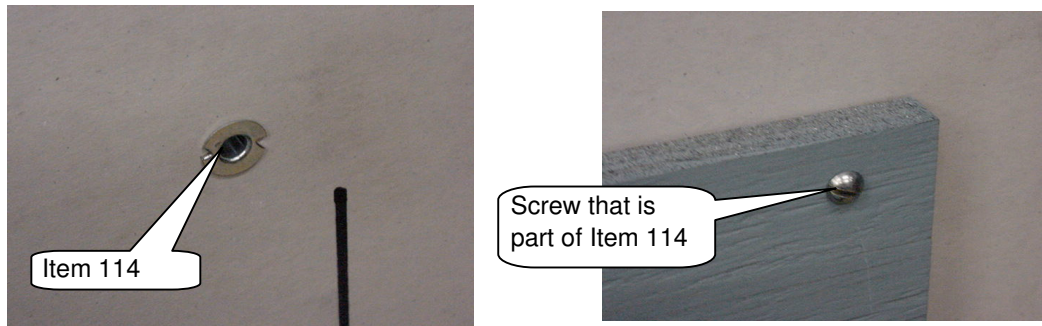
* Part of the wall bed system

Refer to the wall bed mounting instructions for installation of the wall bed.

USE OF HOLLOW WALL ANCHORS



Position the wall attachment panel in it's proper position. Drill as shown above. Repeat 6 1/2" down from the top edge.

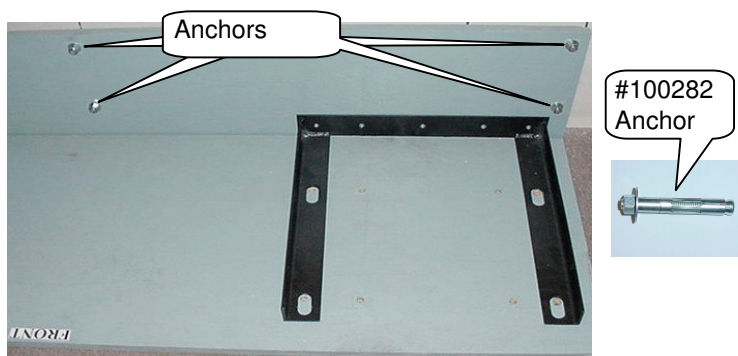


Insert the hollow wall anchor into the holes. Expand the anchors by tightening the screw until firm resistance is met. Then remove the screws.

After the adhesive has been applied to the wall attachment panel, proceed with the attachment of the panel with the screws thru the studs as previously outlined plus the screws in the corners into the hollow wall anchor.

USE OF CONCRETE WALL ANCHORS

When necessary to attach the wall panel to a concrete wall, use the anchors that are furnished as part of the accessory pack with your wall bed. Follow the instructions as outlined in the wall bed installation instructions. Locate the anchors as shown below, 1" down from the top edge and 1" from the ends for the top row. The bottom row at 6 1/2" down from the top edge of the panel. Use 6 anchors [king bed use 8 anchors] After installing back panel, return to Step 8.



<p>To receive assistance for:</p> <ul style="list-style-type: none"> - Selecting replacement parts / decals - Repairing the product - Adjusting and operating the product - Obtaining On-line assistance
<p>TELEPHONE: 1-800-424-0796 FAX: (952) 829-5141 WEB SITE: WWW.SICOINC.COM</p>
<p>SICO AMERICA INC. 7525 Cahill Road Minneapolis, MN 55439 USA</p>