



SOUND ADVANCE SYSTEMS

## INSTALLATION INSTRUCTIONS

### SA2B Loudspeaker with Accessories

<b>MODEL:</b>	SA2B
<b>MOUNTING LOCATIONS:</b>	Flush Mounted into Walls or Ceilings
<b>SUPPLIED ACCESSORIES:</b>	Hex Key, Cap Screws, Flat Washers, Rubber Standoffs, #6 Screws, Overlay Adhesive, Overlay Film, Joint Compound.
<b>REQUIRED ACCESSORIES:</b>	PBB4, PBB6, SA2-BKT
<b>REQUIRED TOOLS:</b>	<p>Pencil, Measuring Tape, # 2 Phillips screwdriver, Utility knife, Drywall (keyhole) saw, Wood saw, Wire stripper, Soldering iron and solder, Straight edge, (at least 24 inches - 61 cm.) long, Portable work light, Mud\Joint compound pan, 4" ( 10 cm.) mud application spatula, 2" ( 5 cm.) flexible spackling knife, 6" to 8" ( 15.2 - 20.3 cm.) drywall taping knife, Hand sanding block, Small to medium size paste brush or roller, Plastic squeegee, Sponge block, Drywall sanding screens (120/150 grit) silicone carbide, RTV type clear Silicone Sealant</p> <p><i>Although not required, the following will provide for an easier installation process:</i></p> <p>Electronic Stud Finder, Power saw with wood blade, Sabre saw with drywall blade, Drill, Self standing work light</p>
<b>INSTALLATION VIDEO:</b>	Instructional Installation Video tape to supplement these instructions, the video is 16 minutes in length. To receive one, contact SOUND ADVANCE SYSTEMS at 800-592-4644 Monday thru Friday between 8 AM and 5 PM P.S.T

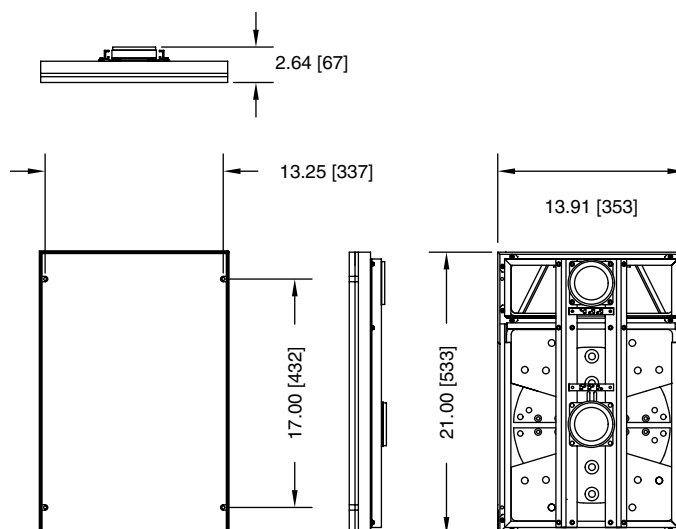
## TECHNICAL SPECIFICATIONS

The SA2B and its associated hardware require a minimum opening of 21 1/4" by 14 1/4" (54.0 by 36.2 cm.), and a minimum depth of at least 4" ( 10 cm.) of clear space, from the finished face of the wall or ceiling. The SA2B is designed to be installed in the following standard construction situations: Walls or ceilings of 1/2" ( 1.28 cm.) or 5/8" (1.59 cm.) gypsumboard/drywall, plaster, on wood or metal studs/joists, 16" (40.6 cm.) or 24" ( 61 cm.) on center.

### LOUDSPEAKER DIMENSIONS

Unless otherwise specified all dimensions are in inches (mm)

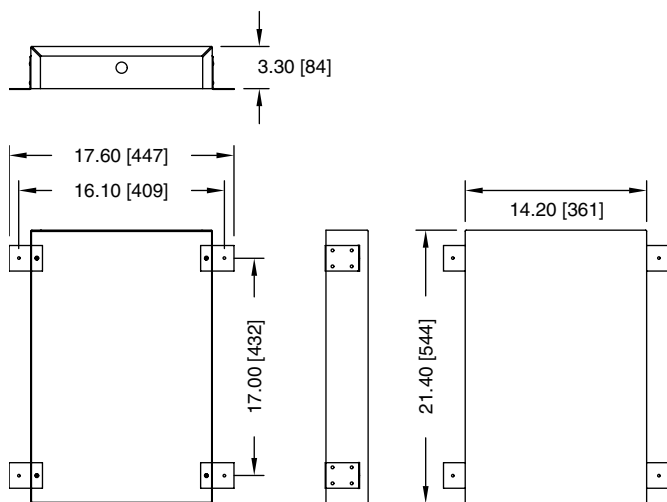
Weight: 7.7lbs (3.49kg)



## BACKBOX DIMENSIONS

### PBB-4 4 in Backbox

Weight 8.4 lbs. (3.81 kg.)

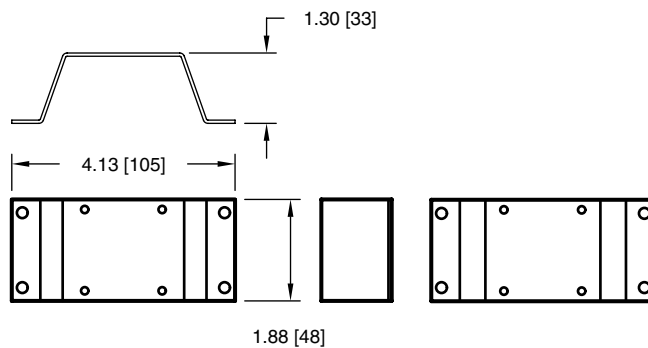


## METAL STUD ADAPTOR

### SA2-BKT adaptor for metal studs

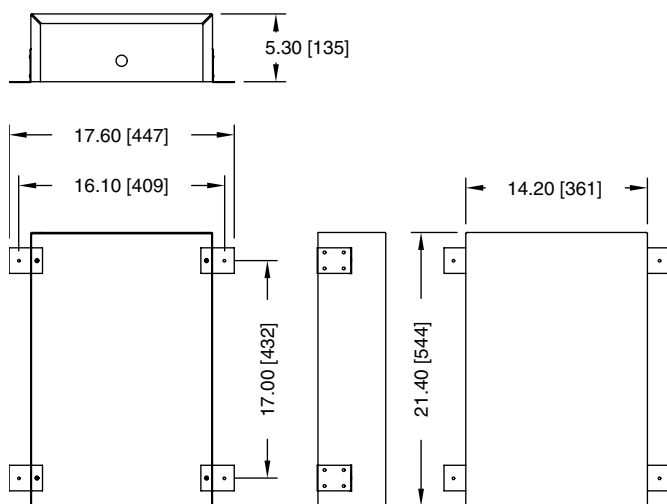
Weight: 0.25 lbs. (120 g.)

Required ONLY when no Backbox is used in metal stud construction.



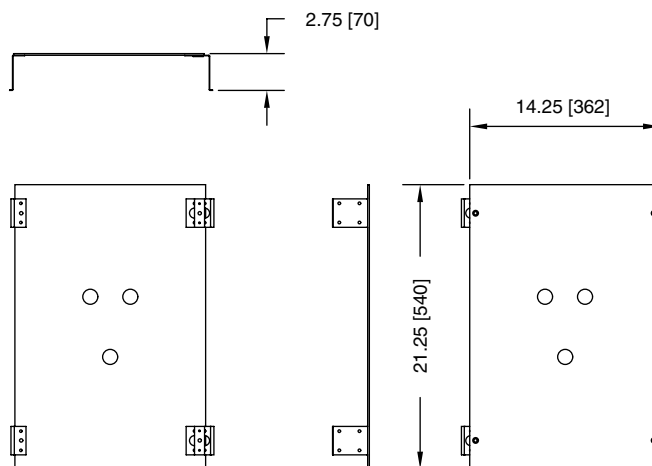
### PBB-6 Six Inch Backbox

Weight 10.1 lbs. (4.58 kg.)



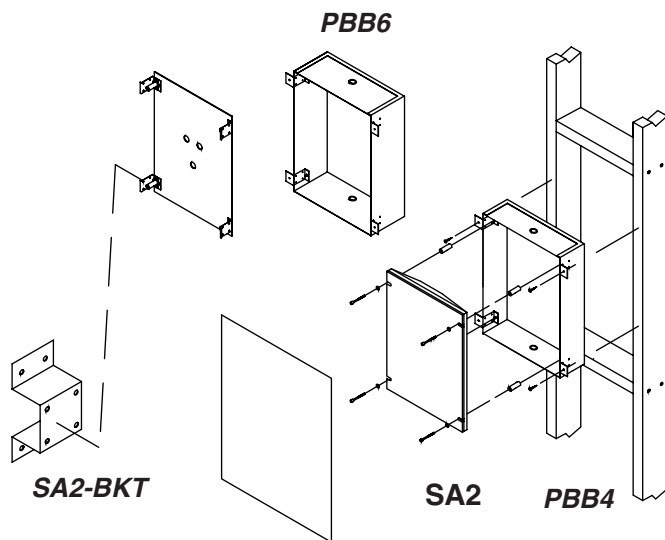
## CARDBOARD INSTALLATION AID

Supplied with the Loudspeaker  
Not required when Backboxes are used



## BACKBOXES

**IMPORTANT:** Installation into walls or ceiling greater than 4 inches deep, or where dictated by local Building Codes, requires the use of a backbox. All SA2B loudspeakers installed in ceiling applications will require the use of a backbox. Failure to use the loudspeaker backbox in deep walls or ceiling installations can result in damage to the loudspeaker not covered under the warranty.



Both of the available backboxes are equipped with sound dampening insulation to reduce sound transmission/leakage into adjacent rooms, thereby making them a recommended choice for all installations. Backboxes for the SA2B must be ordered separately from SOUND ADVANCE SYSTEMS. Part number PBB-4 is designed for use in 4" (10 cm.) deep walls or ceilings. Part Number PBB-6 is designed for installations where the depth is 6" (15.2 cm.) or greater.

### FACTORY PROVIDED FINISH

Primed speaker surface ready to receive vellum overlay (included)

### ENVIRONMENTAL SPECIFICATIONS

-40F to 140F (-40° C to 60° C) 0 to 100% humidity

## TERMINATION

12.0 in. (30.5 cm.) Pigtails (red/black twisted pair 16 AWG)

## RECOMMENDED MOUNTING LOCATIONS

Flush Mounted into Walls or Ceilings

**Please note:** The use of the SOUND ADVANCE SYSTEMS ICC™ - Installation Compensation Circuit -, a half-rack space electronics unit specifically designed for use with SA2B loudspeaker systems, is strongly recommended. The ICC provides a range of options designed to compensate for finish, installation cavity size as well as other electronic enhancement features for the SA2B. For more information please contact SOUND ADVANCE SYSTEMS.

## LOUDSPEAKER PLACEMENT GUIDELINES

To obtain the best performance characteristics in both wall and ceiling installations, whenever possible, use a layout that permits symmetrical loudspeaker placement. When requirements such as stereo imaging or surround sound image are involved, this configuration will generally provide the best overall results.

### WALL LOCATIONS

We recommend that the bottom of the loudspeaker be a minimum of six feet above the floor. Placement at this height or above will help in the protection of the speaker diaphragm from inadvertent damage. When practical, the right and left loudspeakers should be separated by the same distance as a typical listener would be from the wall.

### CEILING LOCATIONS

In a very large room with normal ceiling height (8-10 ft. — 2.4 - 3.0 m), a ceiling installation will usually provide better overall coverage. Left and right loudspeakers should be separated by the same distance as a typical listener would be from the loudspeakers.

In a very large room with high ceilings (15 ft. — 4.8 m. or more), a wall installation will usually be preferable. When feasible, installing duplicate loudspeakers in both the wall and ceiling will provide the best coverage.

## HOMETHEATER - Audio/Visual Systems

If the installation includes a video or movie screen, separate the right and left loudspeakers by the same distance as a typical listener would be from the screen. Place the center loudspeaker directly above or below the screen, as close to the screen as possible.

### IMPORTANT: AVOID PLACING THE LOUDSPEAKERS IN THE FOLLOWING LOCATIONS:

- Near the corners of the room (maintain a distance of at least 30 inches).
- Near wall and ceiling junctions (maintain a distance of at least 12 inches).
- Where pictures, mirrors or tapestries may be hung to avoid inadvertent damage or obstruction.
- Behind plants or furniture that may block the sound path.
- Next to room heating/cooling vents.
- In direct sunlight
- Next to gas or water pipes
- Next to electrical wiring
- Near television sets (maintain a distance of at least 30 inches)

## INSTALLATION DATA

**CAUTION:** Read all of the installation instructions before installing any loudspeakers. Damage to the loudspeaker due to incorrect installation techniques will void the warranty. These installation instructions presume that the installation site has been pre-wired, and that the loudspeaker installer/system designer are conversant with, and have met any local or national Building Code sections that may be applicable to the installation and premises.

These instructions provide information which is based on typical conditions of use and extensive testing. However, due to the variety of factors that may affect the application of the materials or products involved in producing a final finish on the SA2B, SOUND ADVANCE SYSTEMS does not guarantee that the information

described will produce the exact exterior finish desired.

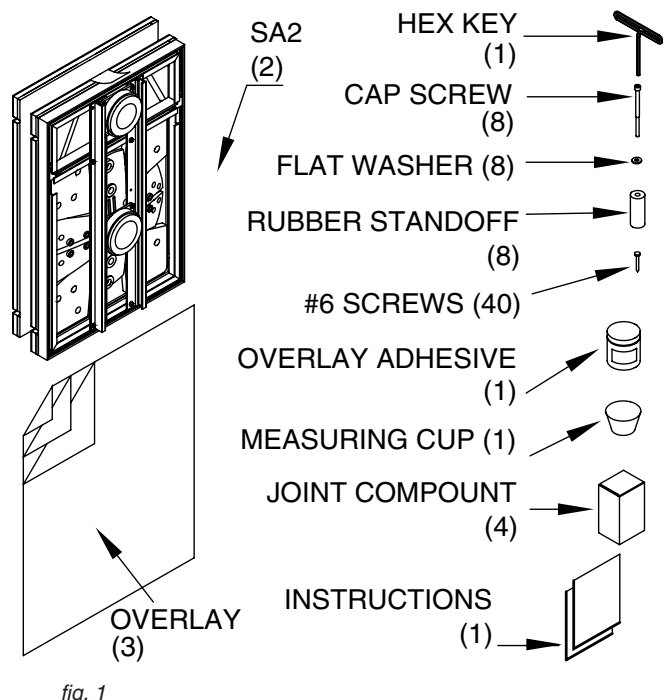
If a situation should arise which cannot be resolved through the information contained in these installation instructions, please contact SOUND ADVANCE SYSTEMS, Customer Support Services at (800) 592 4644 or (714)556-2378 Monday-Friday 7 AM to 5 PM Pacific Time. FAX (714) 556 5425

**CAUTION:** Before beginning the installation or cutting into any surfaces, you should be sure that you have detailed knowledge of the environment behind the surface of the wall or ceiling where the SA2B is to be positioned. Utilization of dust masks and protective eyeglasses is strongly recommended during all phases of installation.

**CAUTION:** SOUND ADVANCE loudspeakers utilize a flat polystyrene material as the sound radiating surface. Although it is resistant to mechanical damage and is unaffected by environmental extremes, care should be observed during handling, to avoid punctures or other damage.

## UNPACKING AND INSPECTION

Carefully open the shipping carton and remove the contents. The figures below show the items that the carton should contain (please see fig. 1 for 2 pack and fig. 2 for 4 pack). Inspect the loudspeaker and accessories for damage. Report damage or shortages to SOUND ADVANCE SYSTEMS.



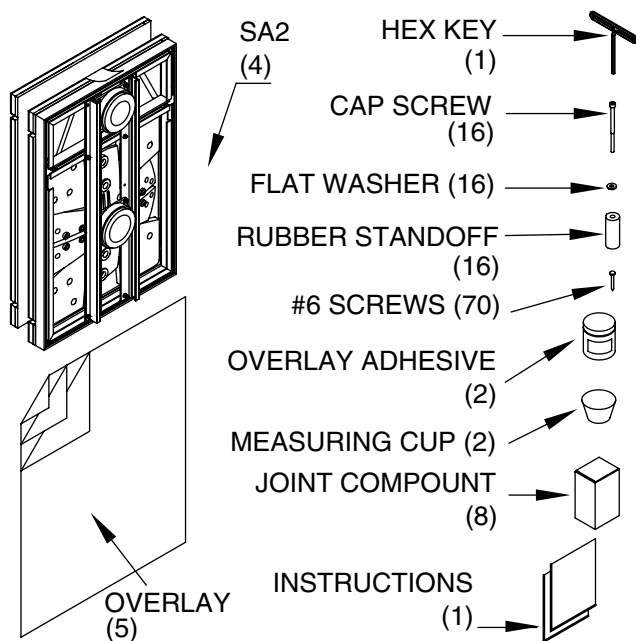


fig. 2

The SOUND ADVANCE SA2B employs a flat rigid diaphragm, approximately one-half inch thick, that installs into a standard wall or ceiling cavity replacing the equivalent surface area of gypsumboard or other materials. The flat vellum /Expanded Polystyrene [EPS] loudspeaker surface may be finished with water soluble materials such as latex paints to match any color or decor requirement, using conventional brush-on, roller, or airless spray application systems. Additionally, the SA2B may be covered using wallpaper, light weight vinyl wall coverings and selected textured coatings \*.

**\*CAUTION: Please contact the factory before applying any oil based paints, textured coating, thick or woven wallpaper or other non-paint type finishes to the SA2B or any other SOUND ADVANCE SYSTEMS product.**

## INSTALLATION

### NEW CONSTRUCTION

**NOTE: If the installation will utilize a backbox (recommended), proceed to backbox installation section**

1. Identify the location of the speaker.
2. Run wire/conduit as per local or national requirements to selected location.

3. Secure wiring to the structure, allowing 2 ft. (60.0 cm) of slack for speaker installation.
4. Attach a warning tag to wire termination so drywallers pull wire out of cavity.

### Existing Construction:

1. Identify where the speaker is to be installed.
2. Cut a small access hole, approximately 6" by 6" (15.2 x 15.2 cm.), at the selected loudspeaker mounting location. Retrieve the loudspeaker cable and secure to avoid dropping into the cavity. Reach inside the opening and determine the location and separation of the left and right studs/joists. Also, verify that a minimum of 22" ( 55.9 cm.) of unobstructed vertical space is available. If there is an obstruction, wiring etc. re-position the obstruction or select an alternative location for the loudspeaker.
3. Taking care not to damage the loudspeaker cable, cut the drywall to the closest stud/joist. Continue cutting parallel along the stud/joist to form a 90 degree reference line of approximately 8" ( 20.3 cm.). (please see fig. 3)

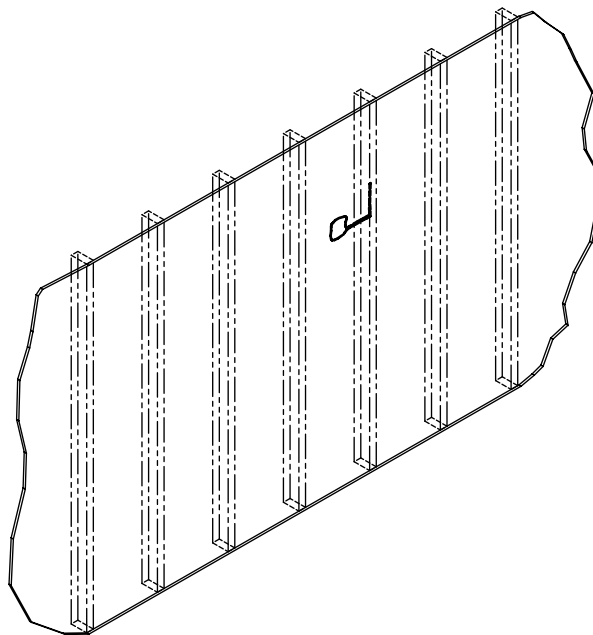


fig. 3

4. If the separation between the studs/joists is less than 21-1/2" ( 54.6 cm), place the Installation Aid/ Mounting Bracket with the long side (21" - 53.3 cm.) parallel to the studs/ joists. (please see fig. 4)

**PLEASE NOTE:** If the distance between the studs/ joists is 21 1/2" (54.6 cm) or more, a subframe will need to be constructed behind the sheetrock surface. This frame should be constructed between the studs/joists with an inside dimension of 15 1/8" ( 38.42 cm.) (please see fig. 6)

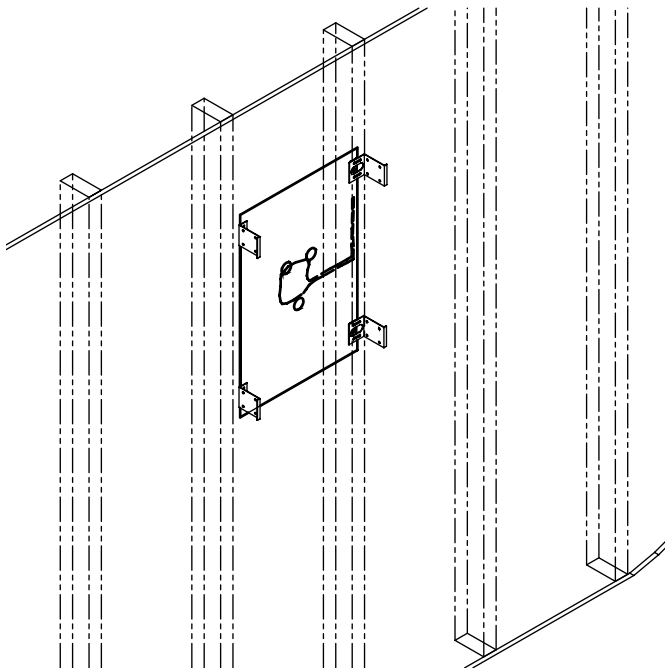


fig. 4

5. Locate the cardboard Installation Aid/Mounting Bracket. If the separation between the studs/joists is 21 1/2 " (54.6 cm) or more, place the Installation Aid/Mounting Bracket with the short sides (14" - 35.6 cm.) parallel to the studs/joists. (please see fig. 5)

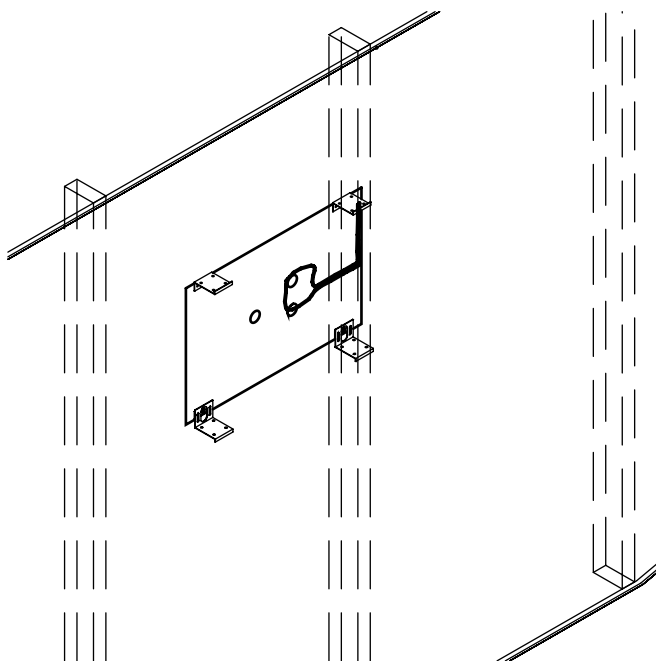


fig. 5

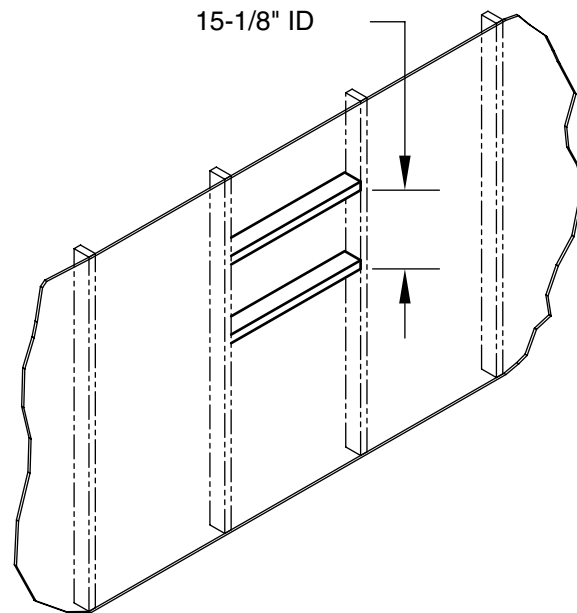


fig. 6

6. Align the Installation Aid/Mounting Bracket relative to the stud/joist and reference line. Mark the outline of the Installation Aid/Wall Mounting Bracket, tracing the dimensions on the wall/ceiling. (please see fig. 7)

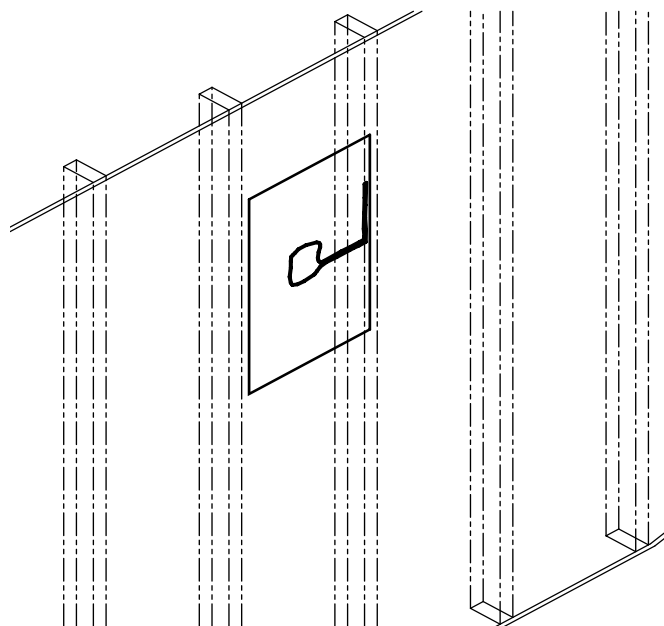


fig. 7

7. Cut out the remaining marked wall/ceiling section and remove the drywall. Remove any insulation in the opening. Insure no obstructions exist and that all wiring is undamaged and of sufficient length to be properly attached to the loudspeaker.
8. Place Installation/Aid Mounting Bracket into opening and mark the location of the hardware, so it can be properly centered and mounted. Do **NOT** install mounting brackets at this time.
9. Reinforce the sheetrock surface around the opening with drywall screws. Correct any other potential source of vibration within the wall/ceiling cavity. Remove any dust or debris from the cavity and insure all mounting locations are secure and vibration free.
10. If the installation utilizes a backbox, proceed to the Section on Backbox Installation, directly below. If a backbox is not used, ensure that all installation cavity size related criteria are being met and proceed to the Section on Mounting Bracket Installation.

x 1" sheetrock screws, metal studs: #8 - 32 x 3/8" Phillips sheet metal screws). (fig. 10)

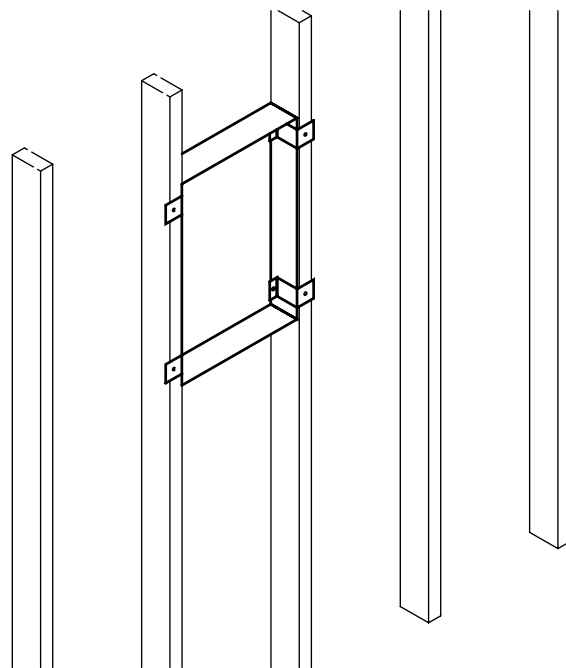


fig. 8

## BACKBOX INSTALLATION

**NOTE: Verify the available depth for mounting of the backbox. The SOUND ADVANCE SYSTEMS PBB-4 requires a minimum depth of 3 1/4" ( 8.26 cm.) from the face of the stud/joist. The SOUND ADVANCE SYSTEMS PBB-6 requires 5 1/4" ( 13.3 cm.) depth from the face of the stud/joist.**

### NEW CONSTRUCTION

1. Place the backbox in the desired location and secure the side brackets to the face of the studs/ joists with the provided screws (wood studs: #6 x 1" sheetrock screws/metal studs: #8 - 32 x 3/8" Phillips sheet metal screws) . (please see fig. 8)
2. Run speaker wires or conduit (as per local Building Code requirements) into the backbox. Fasten and seal as required.

### EXISTING CONSTRUCTION

1. Place the backbox into the opening and with a pencil outline the mounting brackets. Remove the backbox. (please see fig. 9)
2. Cut/remove the sheetrock at the mounting bracket outline areas, until you reach the stud/joist.
3. Position the backbox in the cavity and secure to studs/joists with screws provided (wood studs: #6

4. Reinforce sheetrock surface around the mounting bracket cutouts with drywall screws.

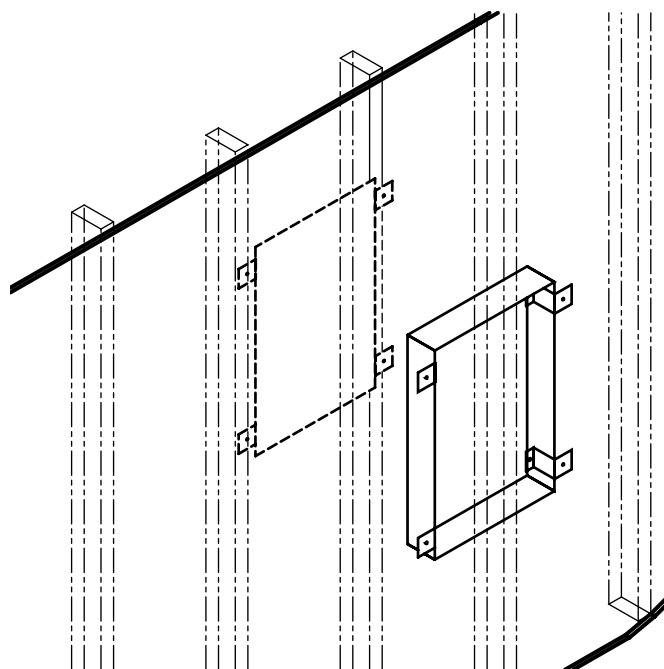


fig. 9



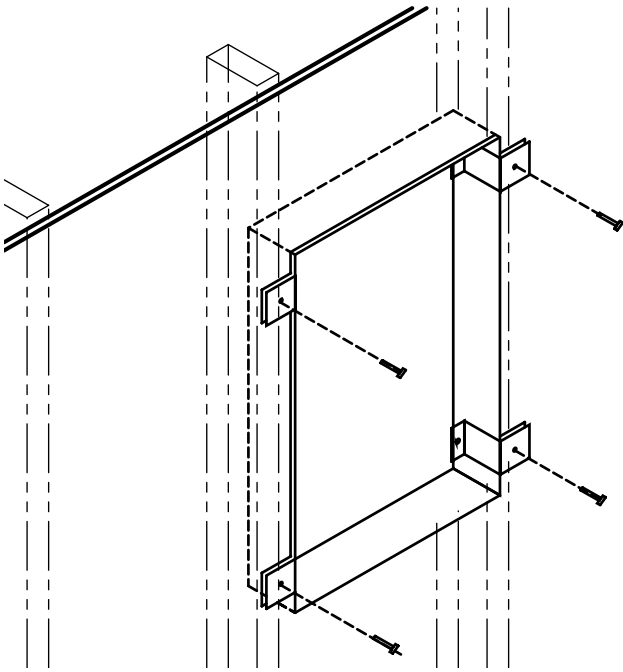


fig. 10

## MOUNTING BRACKET INSTALLATION

**NOTE:** If the loudspeaker installation utilizes a backbox, proceed to the section on Connecting the Loudspeaker.

### METAL STUD/JOIST CONSTRUCTION

1. Determine the construction techniques used during the installation of the metal studs — Face to Back, Back to Back, or Face to Face. If the metal studs have been installed face to back (standard procedure), or back to back, proceed to the next step. (please see fig. 11) If the metal studs have been installed face to face, proceed to step 4.

**NOTE:** When the studs are **FACE TO BACK** you will need 2 (two) Metal Stud Mounting Brackets. When the studs are **BACK TO BACK** you will need 4 (four) Metal Stud Mounting Brackets. When the studs are **FACE TO FACE** you will NOT need any Metal Stud Mounting Brackets. If needed, order Sound Advance part # SA2-BKT.

2. Locate the following:
  - One (1) - Installation Aid/Mounting Bracket
  - Two (2) - Metal Stud Mounting Brackets (if the studs are face to back) or
  - Four (4) Metal Stud Mounting Brackets (if the

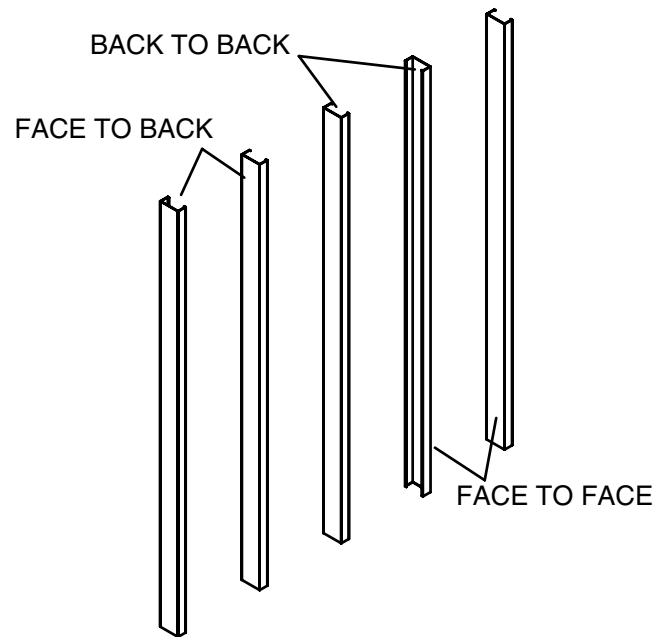


fig. 11

studs are back to back)

#8 - 32 x 1/8" pan-head Phillips sheet metal screws

Silicone Sealant

3. If the studs are face to back, attach the Metal Stud Mounting Brackets to both adjustable brackets on the Installation Aid (stud opening) with #8 -32 x 1/8" pan-head Phillips sheet metal screws. Apply sealant between metal parts to prevent vibration. **DO NOT TIGHTEN.** (please see fig. 12)

**IMPORTANT NOTE:** If the studs are back to back, also attach two additional Metal Stud Mounting Brackets to both non-adjustable brackets on the Installation Aid.

4. Insert the Installation Aid/Mounting Bracket into the opening (please see fig. 13).
5. Slide the lip of both fixed brackets between the stud and the sheetrock. Align the brackets with the marks made earlier.
6. Apply silicone sealant between all metal parts to prevent vibration. Fasten brackets to the stud with #8 - 32 x 1/8" pan-head Phillips sheet metal screws. Tighten Metal Stud Brackets to the Installation Aid/ Mounting Bracket (applies ONLY to face to back or back to back installations as above).
7. Extend the adjustable brackets until they make contact with the studs. Slip the lip of the adjustable brackets between the stud and the drywall. Fasten



FACE TO BACK REQUIRES  
2 METAL STUD BRACKETS

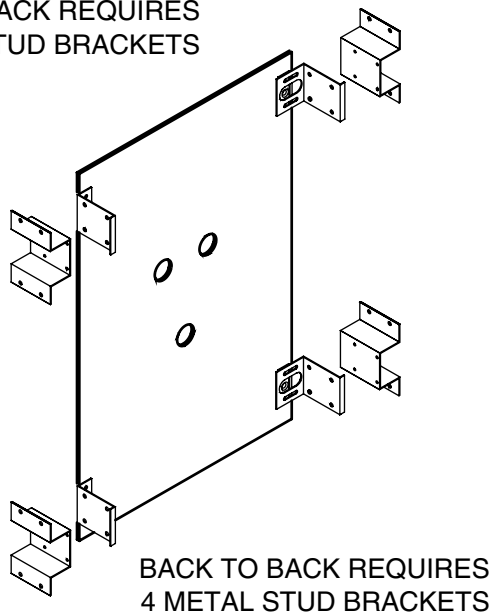


fig. 12

the adjustable brackets to the stud with #8 - 32 x 1/8" pan-head Phillips sheet metal screws. (please

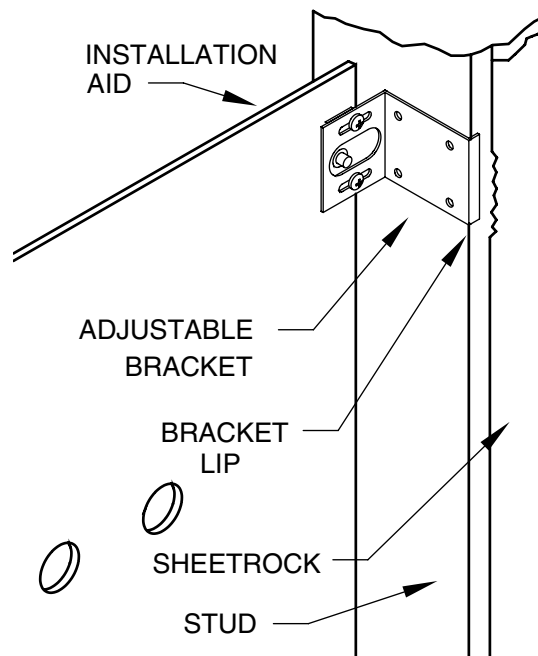


fig. 14

step below.

## WOOD STUD/JOIST CONSTRUCTION

**NOTE: If the loudspeaker installation utilizes a backbox, proceed to the section on Loudspeaker Installation.**

1. Locate the following:

One (1) - Installation Aid/Mounting Bracket  
#6 x 1" Sheetrock Screws

2. Insert the Installation Aid/Mounting Bracket into the opening and align the brackets with the marks made earlier.
3. Slide the lip of both fixed brackets between the stud and the sheetrock. Fasten brackets to the stud/joist with #6 x 1" sheetrock screws. (please see fig. 15)
4. Extend the adjustable brackets until they make contact with the opposite studs. Slip the lip of the adjustable brackets between the stud and the drywall. Fasten the adjustable brackets to the stud with #6 x 1" sheetrock screws. (please see fig. 16)
5. Hold the cardboard Installation Aid by the three center finger holes and push towards the inside of the cavity until it releases from the brackets. Bend and remove from the cavity.
6. Insure that the loudspeaker wiring is in place and undamaged to permit connection at the appropriate step below.

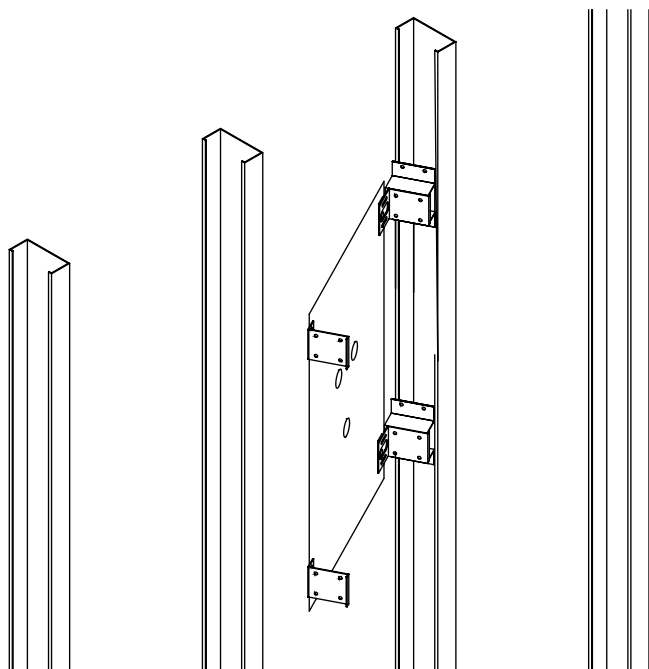


fig. 13

see fig. 14)

8. Hold the cardboard Installation Aid by the three center finger holes and push towards the inside of the cavity until it releases from the brackets. Bend and remove from the cavity.
9. Insure that the loudspeaker wiring is in place and undamaged to permit connection at the appropriate

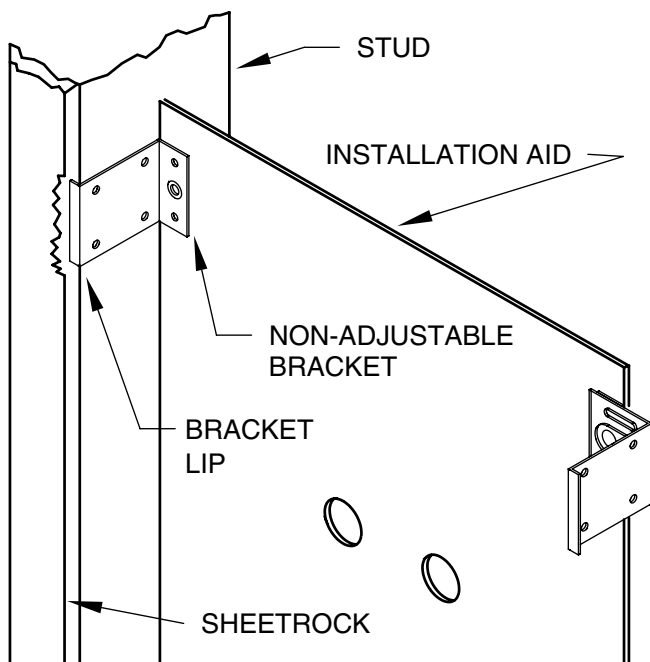


fig. 15

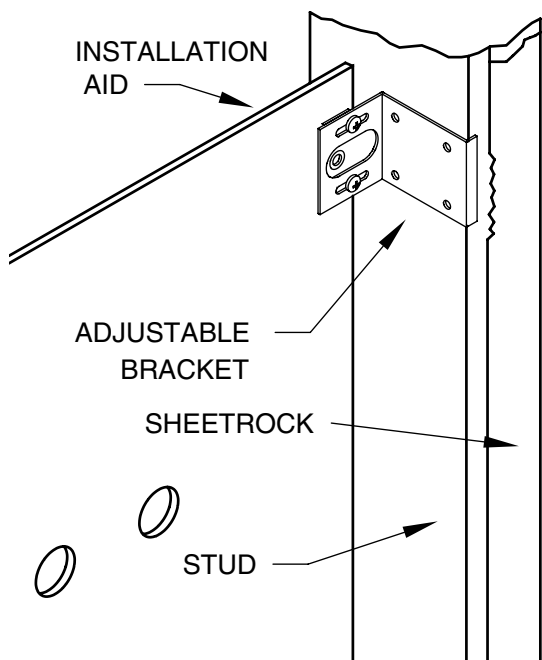


fig. 16

Four (4) flat washers.

**IMPORTANT NOTE:** The rubber standoffs are factory scored to allow the loudspeaker to be properly installed into both 1/2" and 5/8" drywall thickness. If the installation uses 1/2" drywall the smaller portion of the rubber standoffs must be removed. In all cases avoid excessive compression of the rubber standoffs.

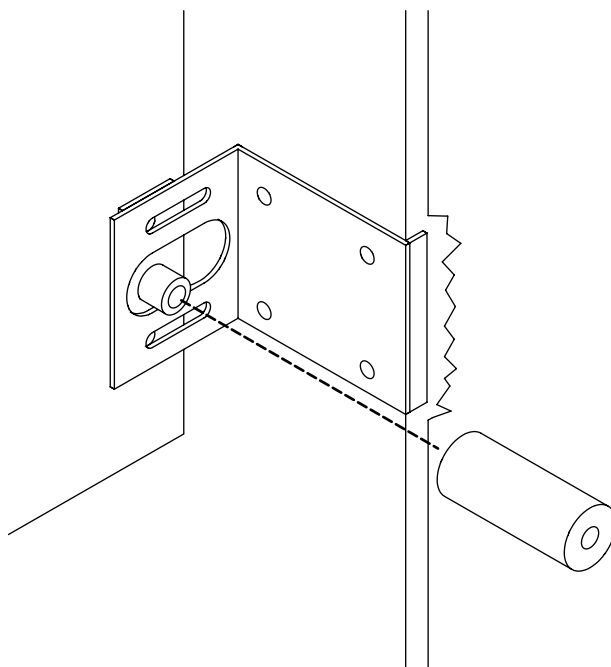


fig. 17

2. Place standoffs on the posts of the speaker mounting brackets. (please see fig. 17).
3. Connect the + and - leads to the loudspeaker pigtails and appropriate. Common lead on speaker pigtail is black, hot is red. **IMPORTANT:** Be sure speaker wires or other objects are not in contact with the back of the loudspeaker surface to avoid any noise or damage to the system when in operation.
4. Insert a flat washer into each #10-24 x 3" Allen head bolt.
5. Align the loudspeaker mounting holes with the rubber standoffs.
6. Insert the Allen head bolts and tighten just enough to firmly hold the loudspeaker in place.

**IMPORTANT NOTE:** The rubber standoffs will compress allowing the loudspeaker to be leveled with walls/ceiling ranging from 1/2" to 5/8" in thickness. Any installation with surface materials

## INSTALLING THE LOUDSPEAKER

1. Locate the following:

Four (4) rubber standoffs

Four (4) #10 - 24 x 3" Allen head bolts

thicker or thinner than specified will require differ-

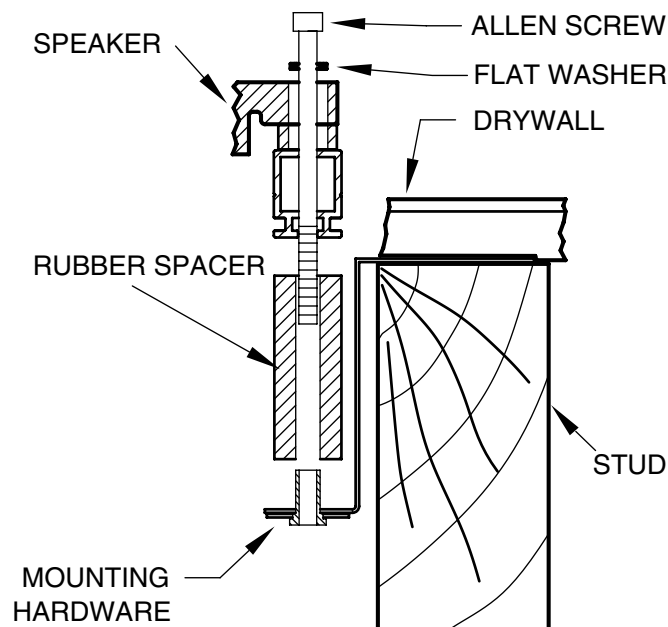


fig. 18

ent length screws, alterations to the rubber stand-offs, and may complicate or impede the installation of the loudspeaker (please see figs. 18 and 19).

**CAUTION:** Never allow the loudspeaker to hang from the connection wire. To avoid difficulties after installation is completed, take time **NOW** to verify the presence of the required audio signal. If there is

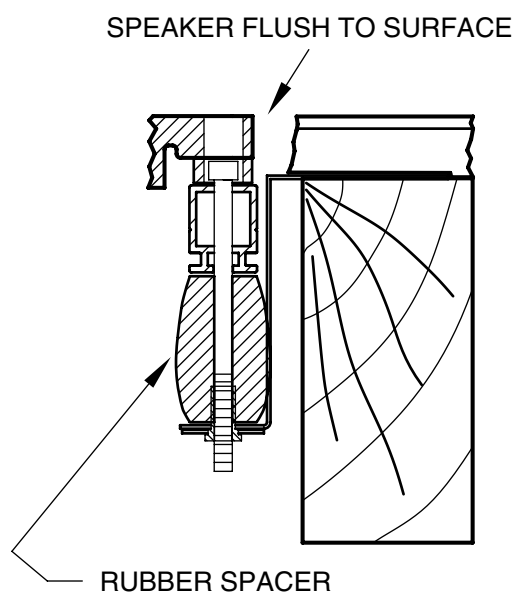


fig. 19

any rattling, buzzing, or no signal, you should correct this problem before proceeding with any other installation steps.

7. Remove the protective cardboard from the face of the loudspeaker.
8. Using a straight edge, at least 24" in length, alternately tighten the Allen head bolts until the unit

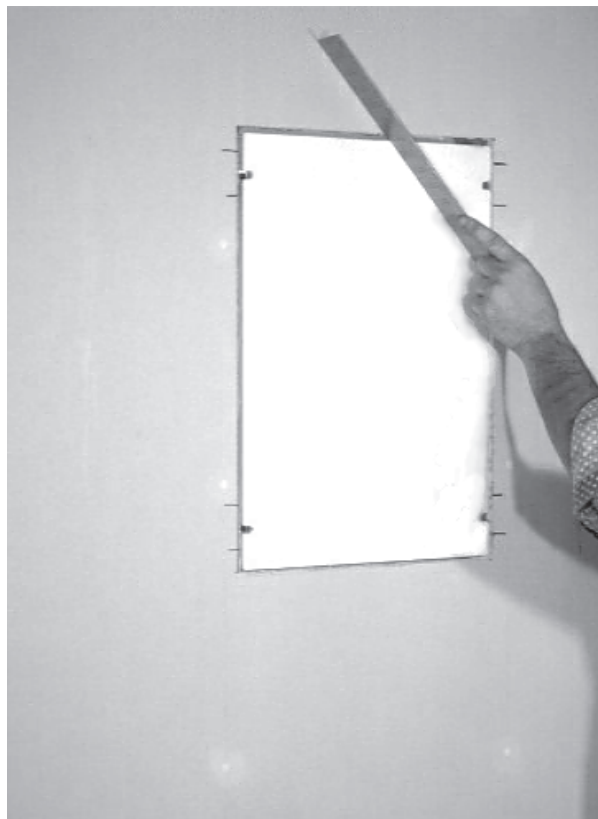


fig. 20

is perfectly level to the surrounding surfaces. Check each corner and on both horizontal and vertical axis. (please see fig. 20)

**CAUTION:** The loudspeaker surface **MUST BE LEVEL** with the unfinished wall/ceiling. If the surface is textured, removal of the texture around the cutout may be required in order to level the loudspeaker.

If the surface finish (wall, ceiling) will be skim coated, level the speaker so the surface of the diaphragm will be just below of the final skim coat (diaphragm will protrude from the unfinished

surface).

## SEALING AND FINISHING THE LOUDSPEAKER

**IMPORTANT NOTE:** As an added precaution after the loudspeaker has been installed and properly adjusted into the backbox, apply a bead of silicone between the metal frame of the loudspeaker and the backbox. This procedure will keep the metal parts from buzzing or vibrating and not allow the setting compound to permeate into the backbox or cavity. Be extremely careful NOT to contaminate the surrounding surface with silicone, as the vellum overlay adhesive will not adhere properly on silicone contaminated surfaces.

1. Prepare a batch of the setting type joint compound according to the supplied directions, ( Please see,



fig. 21

Appendix A, Joint Compound for more information), and completely fill the gaps around the loudspeaker edges, utilizing a spackling knife. (please see fig. 21)

2. Carefully remove any excess compound, taking care not to damage the loudspeaker surface, and allow the joint compound to dry for a minimum of 6 hours.

**CAUTION:** Do not apply compound over the front surface of the loudspeaker. A small amount of feathered overlap at the edges is acceptable, however do not allow excess compound to remain

on the loudspeakers operating surface. If a skim coat of joint compound or plaster is going to be applied over the wall surfaces, adjust the loudspeaker so that the diaphragm of the loudspeaker will receive NO MORE THAN 1/16" of skim coat.

3. When the application is completely dry, sand and smooth utilizing a drywall sanding screen (120/150 grit silicone carbide is recommended). DO NOT sand the front surface of the loudspeaker.
4. Prepare a second batch of setting type joint compound, and apply an additional layer to the joint. Using a portable work light, examine the surface while changing light directions. Remove any imperfections. Again, allow the whole area to dry for a minimum of 6 hours.
5. When the application is completely dry, again sand and smooth. Carefully examine the surface with the portable work light at an oblique angle. Remove any imperfections.
6. Clean the area with a damp cloth or sponge to remove any dust, sanding residue, or loose material.

**IMPORTANT NOTE - Air dry type joint compound may be used to finish areas around the loudspeaker mounting area, but should NOT be used to fill the joints or immediate areas next to**



fig. 22

the backbox or around the loudspeaker mounting if a backbox is not used. Only the setting joint compound supplied with SA2B two packs

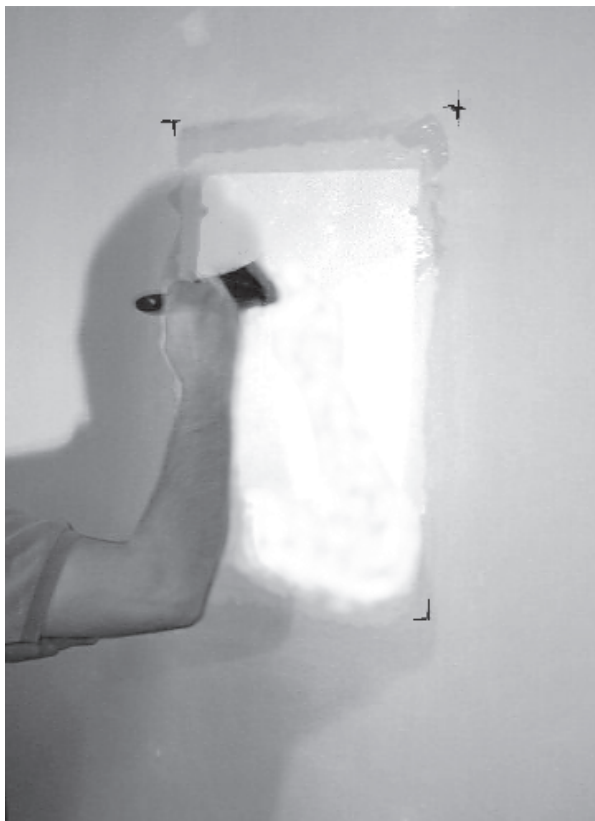


fig. 23

**should be used for this purpose.**

7. Locate one Vellum Overlay. Carefully center the dry overlay on top of the loudspeaker and mark the four corner locations on the surface. (please see fig. 22)
8. Remove the overlay and lightly outline the area of the overlay on the wall.
9. Locate the vinyl based Overlay Adhesive. Utilizing a pasting brush or roller, apply the overlay adhesive to the surface. Be sure to apply the adhesive 1" (25mm) beyond the overlay outlined area. (please see fig. 23)

**IMPORTANT NOTE: If the overlay is being applied over a plastered surface (skim coat or similar), apply a coat of adhesive primer used in wall paper applications to the plaster surface so that the overlay will adhere properly.**

10. Carefully apply the overlay to the outlined adhesive coated area. (please see fig. 24)

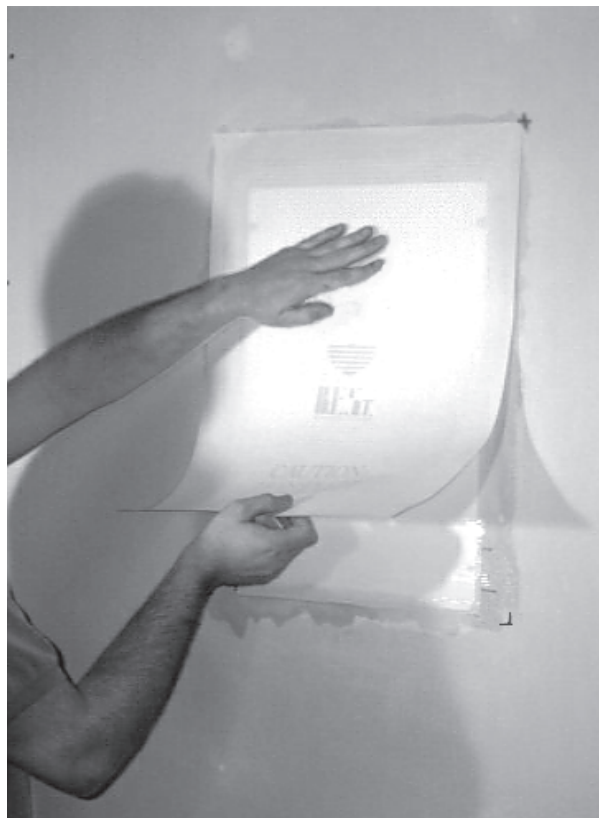


fig. 24

**IMPORTANT NOTE: It helps to have a small amount of adhesive on the plastic squeegee when smoothing out the overlay. If the overlay starts to wrinkle or there is not enough adhesive at the corners simply peel back that portion of the overlay, apply more adhesive and smooth out again.**

11. Immediately after contact, remove wrinkles and excessive adhesive using a plastic smoother or squeegee. Start from the center of the Overlay and proceed to the outside edges. Apply sufficient pressure to displace the excess adhesive, being careful not to tear the overlay or damage the loudspeaker surface. (please see fig. 25)

**IMPORTANT NOTE: Verify that the loudspeaker surface is fully covered and that the overlay is completely bonded to the face of the loudspeaker. If the overlay is not completely bonded or the loudspeaker is not fully covered, remove the overlay, clean the surface and, with a new overlay, repeat previous steps.**

12. Clean excessive adhesive from the sides of the overlay and wipe the entire area with a wet sponge. Allow the overlay to dry for a minimum of 4 hours.
13. Prepare a small amount of setting type joint compound. Apply around the edges of the overlay, carefully feathering all edges with a 6" or 8" drywall taping knife. Allow to dry for a minimum of



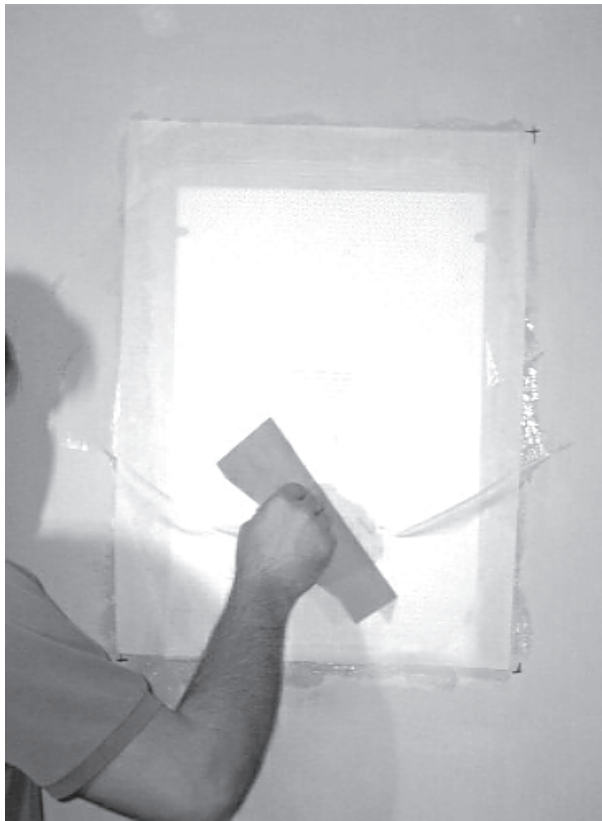


fig. 25

2 hours. (please see fig. 26)



fig. 26



fig. 27

14. When the application is completely dry, sand and smooth edges, taking care not to damage the overlay or loudspeaker surface. Carefully examine the surface with the portable work light. Remove any imperfections. (please see fig. 27)

## FINAL FINISH NOTES

The SA2B is designed to be painted with water base paint or wallpapered after installation. In preparation for painting, a PVA based drywall primer coat should be applied. A light texture coating may be applied to further disguise the installation. [\* please contact the factory before applying any textured coating, light wallpaper or fabrics to SOUND ADVANCE SYSTEMS products].

### IMPORTANT:

- If using oil base paints or finishes contact Sound Advance.



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# APPENDIX A

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- **DO NOT cover the loudspeaker with excessively thick, rigid or woven wallpaper**
- **DO NOT cover the loudspeaker with a thick texture coating**

## Setting Type Joint Compound:

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### Manufacturer

United States Gypsum Company - A subsidiary of  
USG Corporation

101 South Wacker Drive, Chicago, IL 60606-4385

**Note: The Joint Compound may contain any or all of the following: Plaster of Paris, Calcium carbonate, Perlite, Mica, Clay or Polyvinyl acetate.**

### Product:

Light Weight Setting Type JC 45'

Setting Time: 30 to 80 minute dependent upon  
temperature and humidity

Working Time: 15 to 20 minutes

## PROPER USE AND PREPARATION OF THE SETTING TYPE JOINT COMPOUND

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### Mixing Procedures

Mix Ratio: 10 fl. oz. of water per lb. of powder.

1. Use clean water and equipment
2. Mix powder and water in proportions indicated above (Initial mix should be slightly thicker than the desired working consistency)
3. Mix until smooth
4. Let mix stand for approximately 1 minute (The lower the temperature, the longer the material must stand)
5. Remix for 1 minute while adding water to achieve

desired working consistency

**CAUTION: Do not mix with other joint compounds in wet or dry form.**

**Do not re-temper mix.**

## APPLICATION

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1. Apply sufficient coats to level the surface; smooth before setting begins.
2. Wait until preceding coat is hard before applying an additional coat.

## JOINT COMPOUND CLEANUP

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Clean tools and containers immediately after use  
and before material hardens.

### WARNING NOTICE

**When mixed with water, this material hardens and then slowly becomes hot. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. When mixing or dry sanding, dust may cause irritation to the eyes, noise, throat or upper respiratory system. Long term breathing of large amounts of respirable mica may cause lung disease. While mixing or sanding, wear a NIOSH approved dust mask. Do not take internally. The use of safety glasses is STRONGLY recommended.**

**NOTE: Setting time may vary somewhat due to geographical variation in formulas. Setting cannot be altered by dilution with water.**

Product complies with ASTM C475

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Emergency product safety information: 312/606-4542

Manufactured under on or more of the following  
U.S. Patents: RE 29,753- 4,454,267- 4,657,594-  
4,686,253

## **OVERLAY ADHESIVE**

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Manufacturer: Custom Building Products

Seal Beach, CA

Product: Standard Duty Clear -Wallcovering  
Adhesive

Working Time: Five (5) minutes or less

## **SURFACE PREPARATION**

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**Surface must be dry, clean, smooth, free of grease,  
wax and other foreign matter.**

## **MIXING**

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Stir adhesive thoroughly prior to application

## **APPLICATION**

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1. Apply paste to the surface, not the overlay.
2. Apply an even coat to surface with a paste brush or short nap paint roller.
3. Allow paste to soak in thoroughly.
4. Apply overlay to wall, position and smooth.
5. Immediately remove excess adhesive with smoother and a damp sponge.

## **ADHESIVE CLEANUP**

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Clean tools with warm, soapy water before adhesive dries.

**NOTE: We do not recommend dilution with water. Keep from freezing. Close container after each use.**

**CAUTION :Keep out of reach of children Do not take internally**

## **DISCLAIMER**

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**Since condition of use are beyond the control of SOUND ADVANCE SYSTEMS, all risks are assumed by the user and/or installer. The installer is responsible for proper use, preparation and placement of materials, bonding to any substrate and proper finishing techniques.**

If a situation should arise which cannot be resolved through the information contained in these installation instructions, please contact SOUND ADVANCE SYSTEMS , Customer Support Services at (800) 592 4644 or (714) 556-2378. Monday-Friday 8 AM to 5 PM Pacific Time. FAX (714) 556 5425



### **SOUND ADVANCE SYSTEMS Inc.**

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