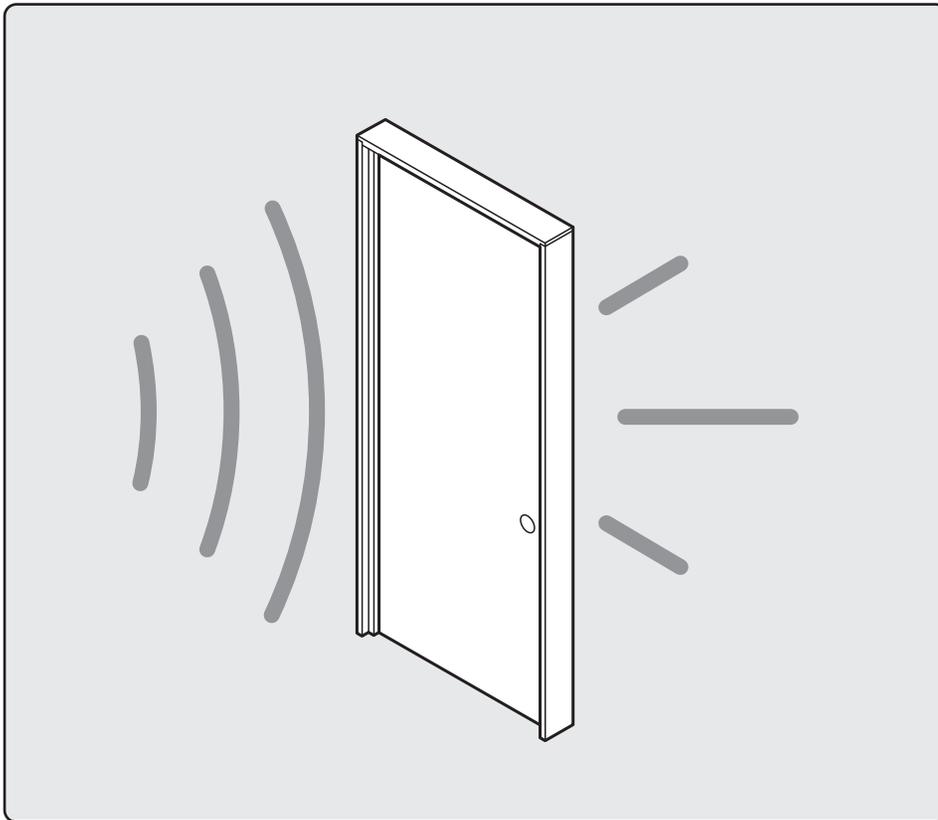
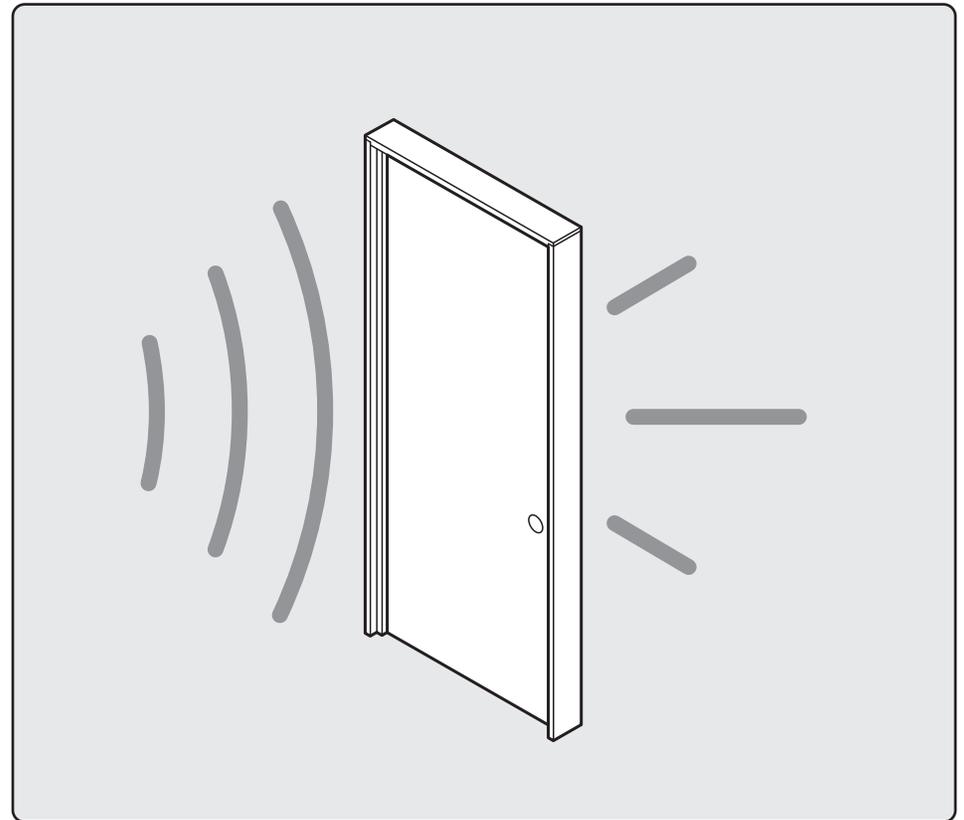


StudioDoor-41™



StudioDoor™ - 1.75" x 36" x 80" (STC: 41)

StudioDoor-48™



StudioDoor-HD™ - 2.5" x 36" x 80" (STC: 48)

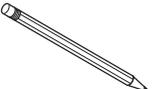
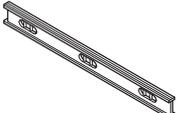
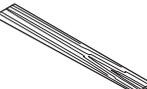
General Information

The door seals and door slab for our **StudioDoor-41 / StudioDoor-48** are independently tested for sound to show the expected performance of the door in real world assemblies. This performance relies heavily on the proper installation of the door. **This installation requires skill and attention to detail. Due to the StudioDoor's extreme weight, attempting to install it without assistance is considered dangerous and not recommended by Auralex.** Use of these installation instructions along with your attention to quality workmanship will ensure a successful installation.

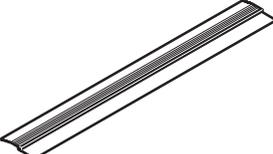
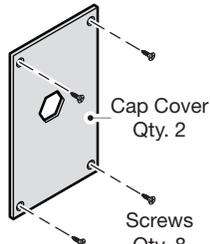
Unpacking Instructions

The crate that arrives will contain anywhere from one to four doors. The crate is custom built and screwed together for easy unpacking. We recommend removing the top layer of plywood and then all side pieces to gain full access to the door before removing the door from the crate. Some items, such as the door handle (if included), rubber seals, and acoustic threshold, will be packed separately within the crate. Remove these before removing the door from the crate.

TOOLS NEEDED

 Sanding Block	 Pencil	 Hammer	 Protective Eyewear	 Tape Measure	 Utility Knife	 Acoustical Sealant Auralex® StopGap™
 #2 Phillips Bit	 Level	 3/16" Drill Bit	 1/8" Pilot Hole Drill Bit	 Cordless Drill	 Pack of Shims	 Caulk Gun

HARDWARE WE PROVIDE

 Wood Framing Screws #10 x 2 1/2" - Qty. 8	 S773 Triple-Seal Rubber Qty. 2	 S44 V-Seal Rubber Qty. 1	 Acoustic Threshold Qty. 1	 Cap Cover Qty. 2 Screws Qty. 8
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PRODUCT AND INSTALLATION INFORMATION

Successful Installation

The installation of the door must be plumb so the seals for the automatic door bottom, perimeter, and acoustic threshold can function properly.

Filling Between the Jamb and Framing

An average of five putty pads and a quart sized tube of acoustical sealant, or similar material, is required per door. Basic gasket material, drywall, and wood can also be used to help fill larger gaps.

Uneven Floors

Significantly uneven floors are a detriment to the performance of the automatic door bottom. A quality seal is less likely, the lifespan of the neoprene will be significantly reduced, and ease of operation for the door will be adversely affected. Check the floor before installing the door and threshold to make sure it is level across the entire opening.

Door Finish

All wood surfaces must be cleaned and sanded before paint or stain is applied. **Auralex** does not warranty workmanship related to the finishing of the door.

Screw Pilot Holes

We strongly recommend drilling pilot holes before installing the framing screws! This will ensure accurate door installation and to prevent stripping the screw heads or breaking the screws. Proper adjustment of the driver drill speed and clutch settings are assumed.

TROUBLESHOOTING

Door Requires Too Much Force To Close

Verify the reveal around the door slab is a consistent $\frac{1}{8}$ " with a slightly narrow $\frac{3}{32}$ " along the hinge jamb. This space will allow the rubber enough room to compress without significant force.

Door Will Not Latch

The rubber seals require at least $\frac{3}{32}$ " between the door slab and the door stops. The strike plate may need to be moved away from the stops to allow the door to latch further from the stops.



WARNING:

The **StudioDoor™** is a very heavy door. We strongly recommend at least two people are involved with the installation. **Auralex** is not responsible for any damage to the door during installation. **Auralex** is not responsible for any injuries incurred during installation. Be smart and safe, get help!

GLOSSARY

Hinge Jamb:

Jamb leg on the side of the hinges.

Strike Jamb:

Jamb leg in which the strike plate is installed.

Plunger:

Part of the automatic door bottom, with the protruding Philip's head adjustment screw, activates the mechanism that raises or lowers the neoprene seal at the bottom of the door when the door is opened or closed.

Reveal:

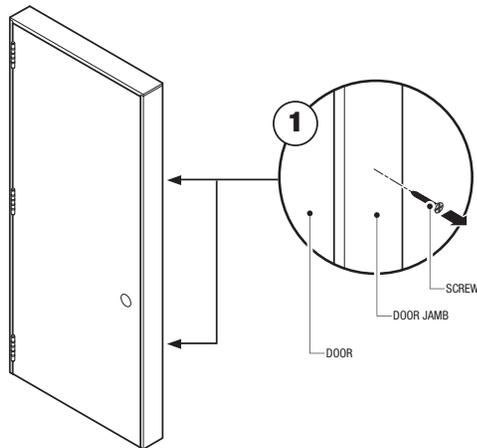
The visible gap between the door jamb and door slab.

Rough Opening:

The opening in the wall where the door will be installed.

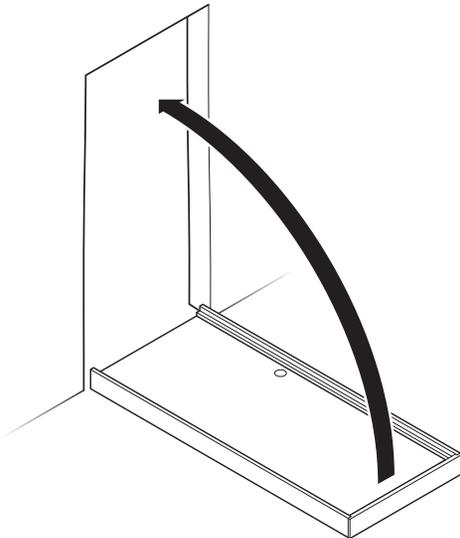
INSTALLATION

- 1.** Remove the screws from the outside of the jamb that hold the door slab in place during shipping.

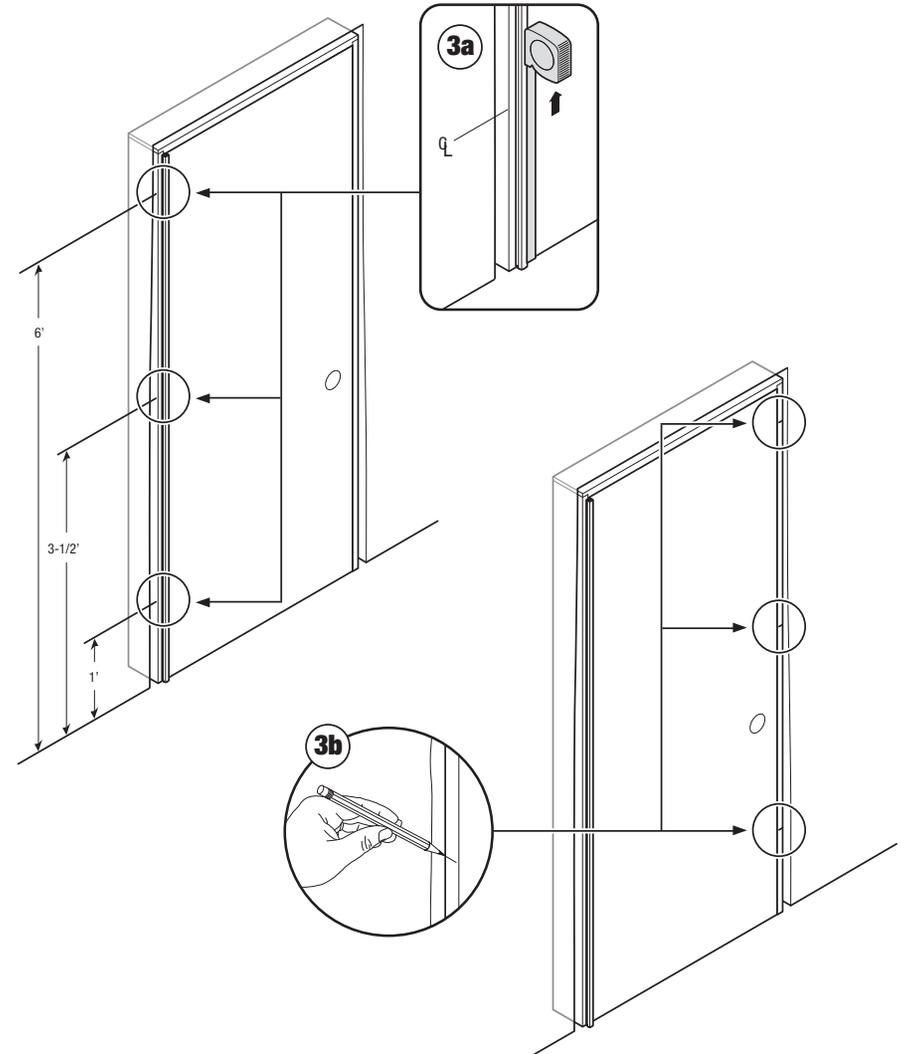


- 2.** With the StudioDoor on the ground, align the ends of the door with the rough opening. Lift the door into place so that the jambs are flush with each side of the opening.

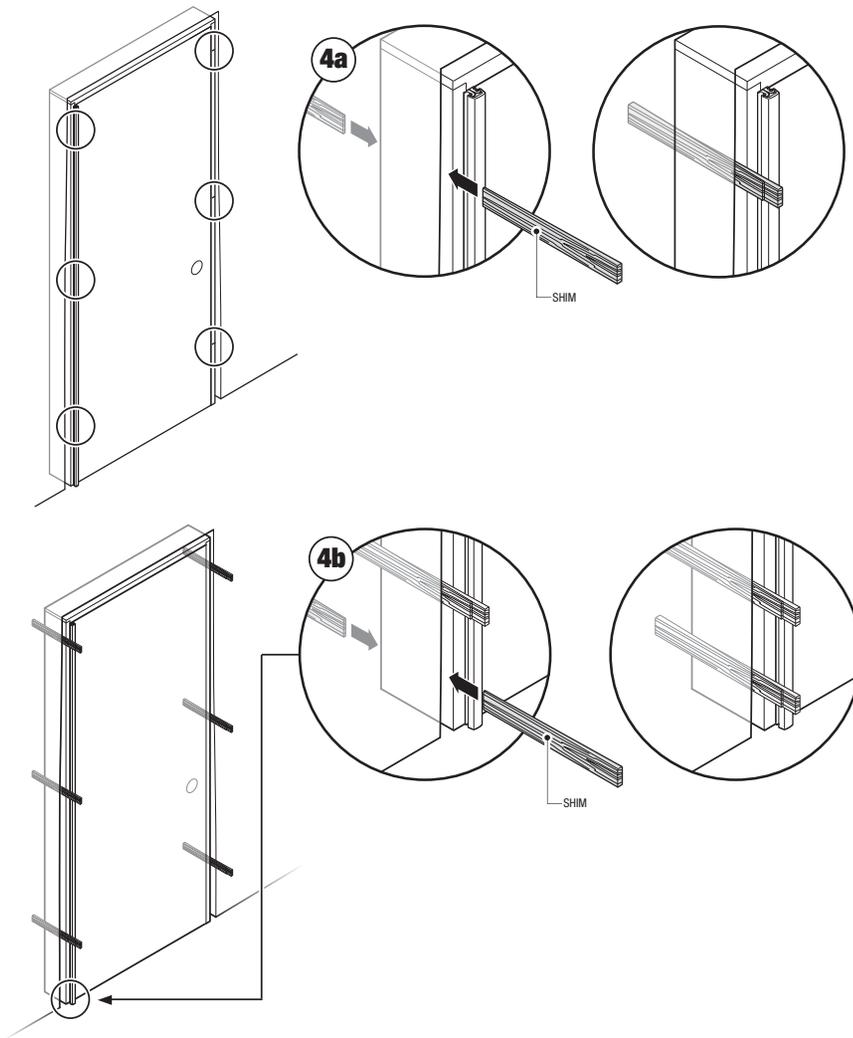
NOTE: Use assistance for this step to avoid personal injury or damage to the door.



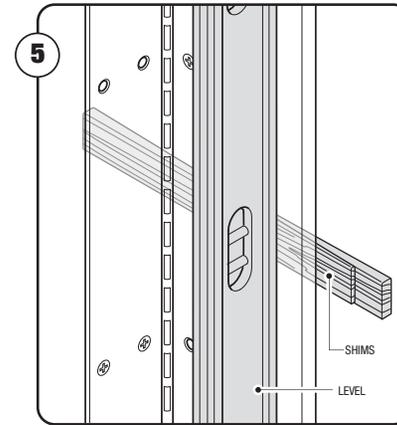
- 3.** Measure the locations for shims on center at 1', 3-1/2' and 6' increments (3a). Copy the measurements to the strike jamb (3b).



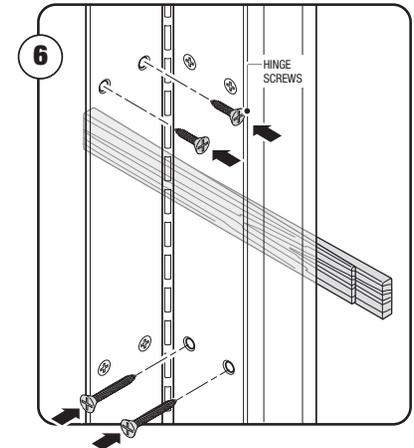
4. Place shims in measured locations (4a). Place an additional shim 1" above the floor on the hinge side where the automatic door bottom's plunger comes in contact with the jamb (4b).



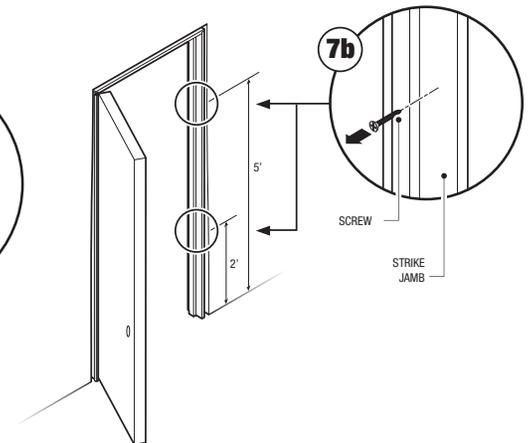
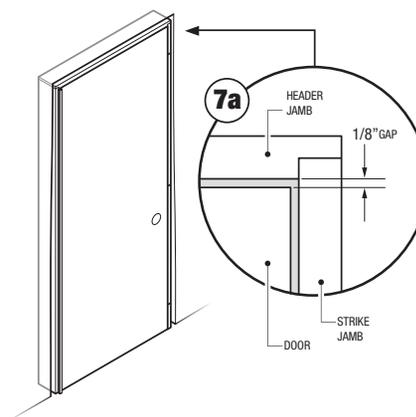
5. Add or remove shims behind hinge until the entire height of the hinge jamb is vertically level and the reveal is 3/32"-1/8" wide. Additional shims may be required.



6. Fasten two long framing screws through the hinge jamb and into the framing at each shim location. **NOTE: Pilot Holes.**



7. Add or remove shims behind the strike jamb until the entire height of the strike jamb is vertically level and the reveal is 1/8" wide (7a). Additional shims may be required. Fasten two long framing screws through the strike jamb and into the wall framing 2' and 5' from the floor (7b). **NOTE: Pilot Holes.**

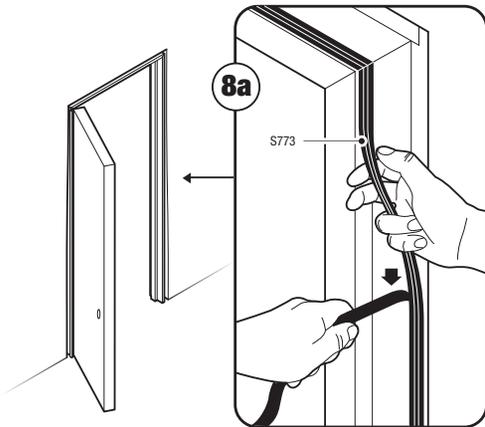


NOTE: At least two of the enclosed rubber seals should be installed to properly seal the door. We recommend installing the first S773 seal (as shown in figure 8a) and then testing the door operation. If the door seals properly with only the first row of S773, then you will only need to add either one more row of S773 (see figure 8b), or replace the second row of S773 with a row of S44. Since the supplied continuous door hinge is fairly well sealed on its own a strip of S44 seal, installed as shown, should be all that is required. Installing a strip of S733 seal can be done for an improvement in STC but the door may be more difficult to close.

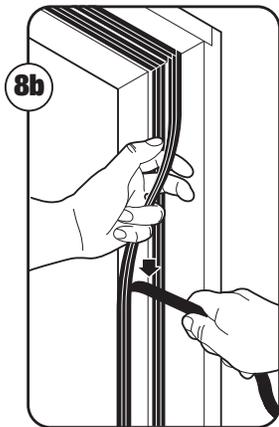
8. NOTE: Do not install the rubber seals until at least 24 hours after the door and jambs are painted or stained. Clean the jambs and stops with the included wipes before installing the rubber seals.

Install the first row of S773 seals against the side of the door stop, starting with the header piece. Miter each end of the S773 header to a 45 degree angle (8a). Miter the top of each vertical S773 seal to correspond with the miter of the S773 header seal. The bottom of each vertical S773 seal should terminate flush with the acoustic threshold or finished floor. Any gap at the bottom of the S773 seal should be filled with a clear silicone caulk.

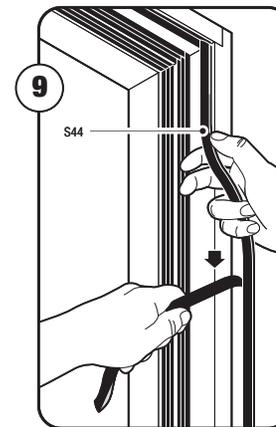
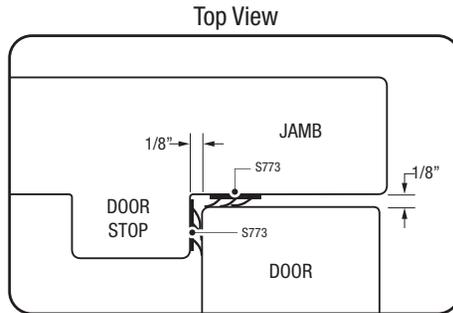
The second row of S773 seal should be installed directly to the jamb, 1/8" from the door stop, starting with the header seal (8b). Interlock each fin of the S773 header seal with each fin of the vertical S773 seals. Do not miter the corners of the second row of S773 seals.



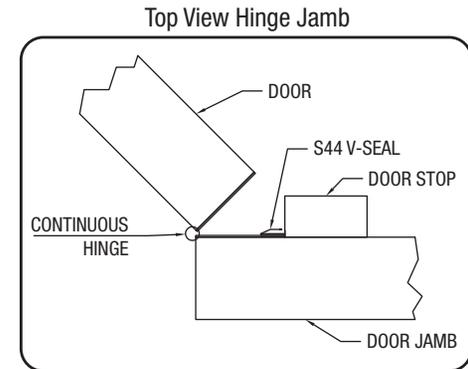
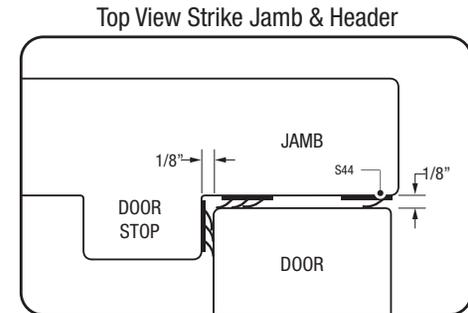
Apply to inside surface of door stop



Apply to inside surface of door jamb

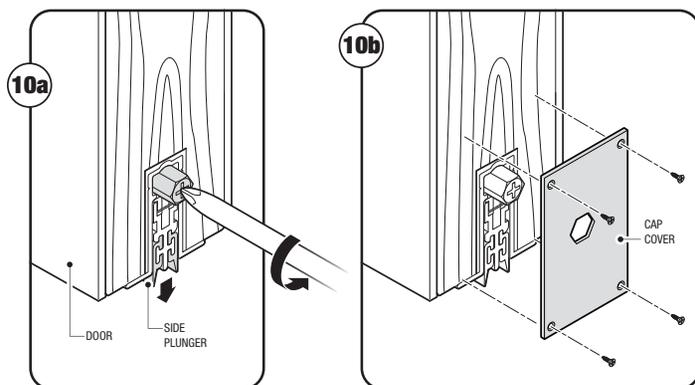


9. Install the S44 seal along the outer edge of the inner jamb, starting with the header piece. The bottom of each S44 seal should terminate flush with the acoustic threshold or finished floor. Any gap at the bottom of the S44 seal should be filled with a clear silicone caulk.

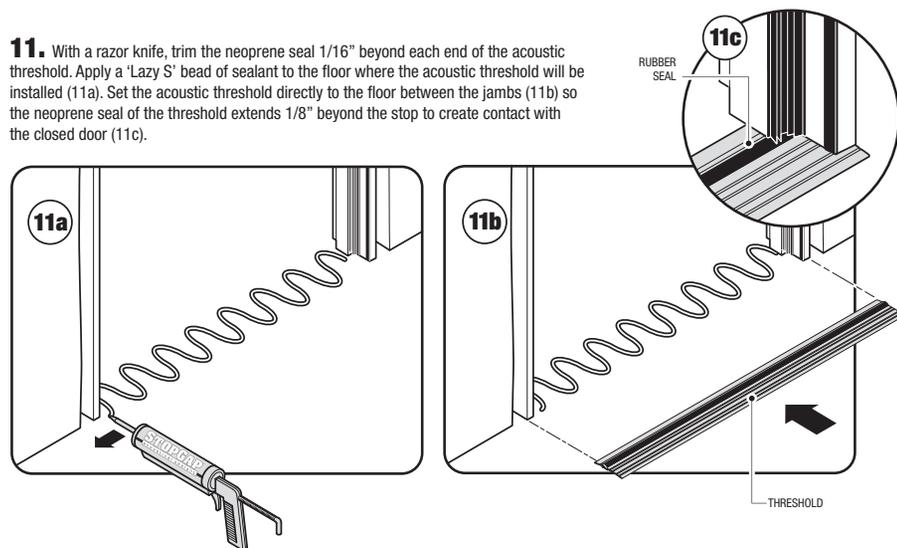


10. With a razor knife, trim the bottom Neoprene seal 1/16" beyond each end of the automatic door bottom. Start with the plunger flush with the door and adjust counterclockwise with full turns. Open and close the door between each adjustment until the neoprene seal comes in contact with the surface below the closed door. The further the plunger extends from the door slab, the further the neoprene seal will drop when the door is closed. The optimal drop for the neoprene seal is 1/4" to 3/8" (10a). Install the included cap covers to each end of the automatic door bottom to prevent the seals from becoming dislodged from the mechanism (10b).

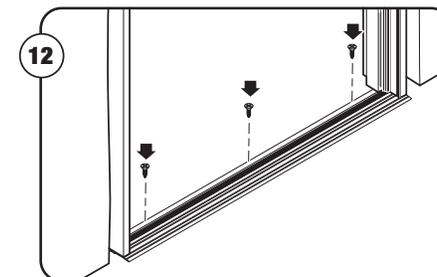
NOTE: The effective drop range for the neoprene seal is 1/8" to 3/4". Over loosening the plunger will disconnect the working components of the automatic door bottom. Auralex is not responsible for this damage.



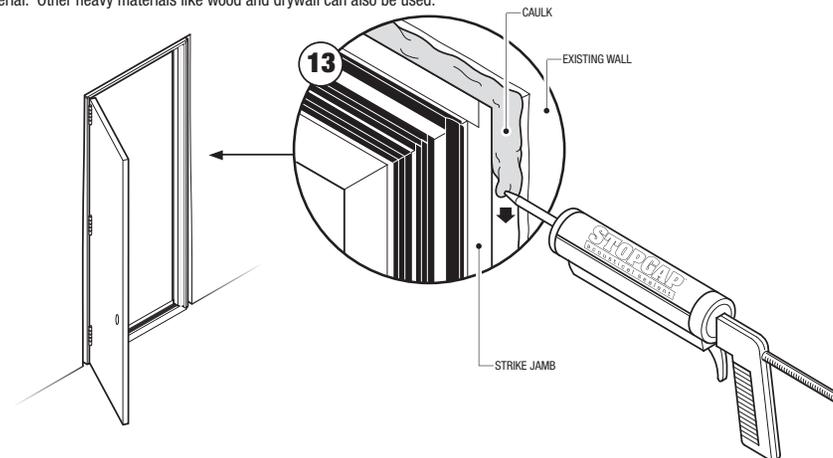
11. With a razor knife, trim the neoprene seal 1/16" beyond each end of the acoustic threshold. Apply a 'Lazy S' bead of sealant to the floor where the acoustic threshold will be installed (11a). Set the acoustic threshold directly to the floor between the jambs (11b) so the neoprene seal of the threshold extends 1/8" beyond the stop to create contact with the closed door (11c).



12. Fasten the threshold to the sub-floor below with the included screws (9d). Tapcon screws are recommended for installation directly to concrete floors.



13. We recommend filling the space between the jamb and the framing with acoustical sealant, such as Auralex StopGap, and putty material. Other heavy materials like wood and drywall can also be used.



14. Review the finished seal using a stethoscope or by checking for light transfer. The stethoscope is most accurate because it will find weak points through areas that appear sealed. To check with a stethoscope, turn on some loud music in the source side and close the door so you are standing on the receiving side. Slowly trace the perimeter of the door with the stethoscope listening for inconsistencies in sound transfer.

Another method is to shine a flashlight to check for light passing between the rubber seals and door slab.

Pay extra attention to the seal quality in the corners and along the automatic door bottom. These areas are most likely to fail from poor seal installation. Adjustments to the shims or rubber seals may be required to resolve these weak points.

StudioDoor-41™ / StudioDoor-48™

LIMITED WARRANTY

Auralex warrants that the **StudioDoor-41™ / StudioDoor-48™** supplied will substantially conform to the applicable specifications and will be free from defects in material and workmanship for a period of one year from the time of delivery.

The warranty and remedies for breach of warranty provided extend only to the original installation and do not cover, and Auralex shall not be liable for:

- (1) Abnormal wear and tear or damage caused by improper installation, maintenance or use contrary to the instructions published by Auralex.
- (2) Storage of products in wet or damp areas or unprotected from weather and other job conditions.
- (3) Any cause beyond the control of Auralex, including without limitation conditions caused by movement, settlement, or structural defects of the building in which the products are installed, fire, wind, hail, flood, lightening, international acts, accidents, negligence or exposure to harmful chemical pollutants or other foreign matter or energy.
- (4) Repair or damage caused by anyone except personnel authorized by Auralex.
- (5) Any scratches, abrasions, or other damage to the finish of painted or colored items after they leave Auralex's factory.

Items repaired or replaced and designs corrected under warranty are warranted only for the remainder of the original warranty period. Any general product literature is for illustrative purposes only and does not constitute a warranty of any kind. Purchaser accepts full responsibility for the selection of the products to achieve intended results.

THIS WARRANTY IS STRICTLY LIMITED TO ITS TERMS AND IS IN LIEU OF ALL OTHER WARRANTIES AND GUARANTEES, EXPRESSED OR IMPLIED, ARISING BY OPERATION OF LAW, COURSE OF DEALING, USAGE OF TRADE OR OTHERWISE, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

The Purchaser's sole and exclusive remedy, and Auralex's only obligation for breach of warranty for products furnished hereunder, shall be, at Auralex's option, to repair or replace the defective item or part that fails within the warranty period, free of charge, provided that the Purchaser promptly gives notice to Auralex of such failure, returns such item or part to Auralex, freight prepaid, and upon examination Auralex finds such to have been defective.

Purchaser must pay for related costs of making repair or replacement, including but not limited to the cost of removal, installation or re-installation of the products. In the event Purchaser claims that the products are defective, it must allow Auralex's personnel access and permission to inspect the products at the site of installation or use.



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