

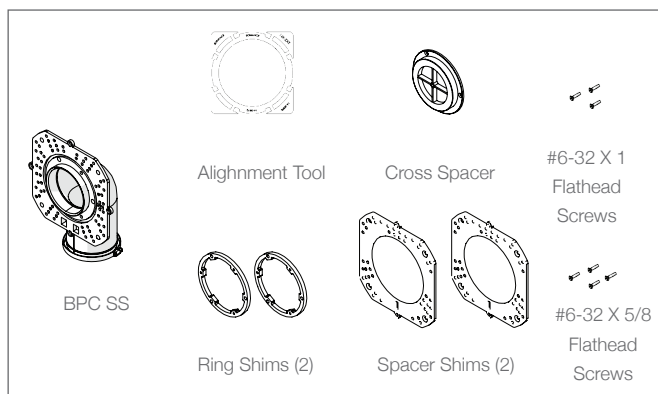


TL AS DISCREET  
SOLID SURFACE BPC

# **INSTALLATION MANUAL**

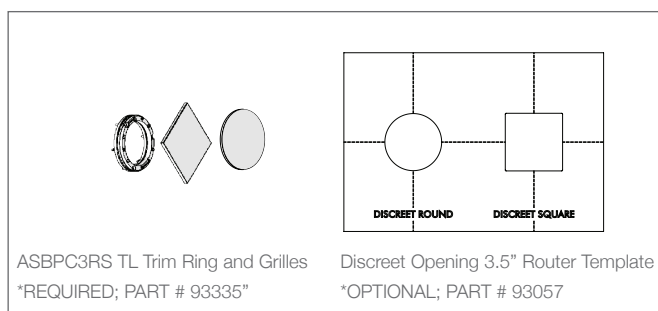
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## Box Contents



The Bandpass Connector for Solid Surface installations of the Sonance BPS6 TL Subwoofer (BPCS SS) comes with the above hardware included. These pieces come assembled and or stacked and should be inspected for accuracy upon receipt. Please retain all hardware and follow all steps in this installation manual.

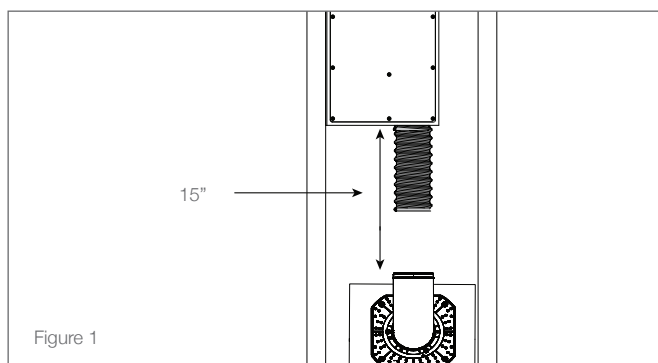
## Additional Hardware



For wiring diagrams, e-manuals and warranty information visit:  
[sonance.com/in-wall-in-ceiling/bps6-tl](http://sonance.com/in-wall-in-ceiling/bps6-tl)

## Before Installation

- Before installing the Solid Surface Bandpass Connector (BPC SS), ensure that there is enough area and depth within the surface to accommodate both the BPC SS and the BPS6 TL subwoofer. Allow for 15" of distance between the bottom of the subwoofer and the BPC SS 90 degree elbow opening (see Figure 1).



**NOTE: ANY DISCREPANCIES OR CONFUSION MUST BE BROUGHT TO SONANCE'S ATTENTION BEFORE INSTALLING THE PRODUCT.**

**NOTE: IF IT IS NOT POSSIBLE TO LOCATE THE BPS6 TL SUBWOOFER 15" AWAY FROM THE BPC SS HARDWARE, EXTRA HOSE MATERIAL (UP TO 3") MAY BE REMOVED. WHILE IT IS OKAY TO SHORTEN THE HOSE, NEVER EXTEND THE HOSE LENGTH.**

**NOTE: PLEASE CONSIDER ALL OBSTACLES AND POTENTIAL INSTALLATION CHALLENGES PRIOR TO BEGINNING INSTALLATION. ENSURE THAT YOU WILL BE ABLE TO ACCESS THE SUBWOOFER PORT TUBE TO CONNECT TO THE BPC SS ELBOW OPENING ONCE THE SUBWOOFER AND BPC SS HARDWARE ARE IN POSITION WITHIN THE WALL OR CEILING, BEFORE THE SURROUNDING SURFACES ARE CLOSED AND FINISHED.**

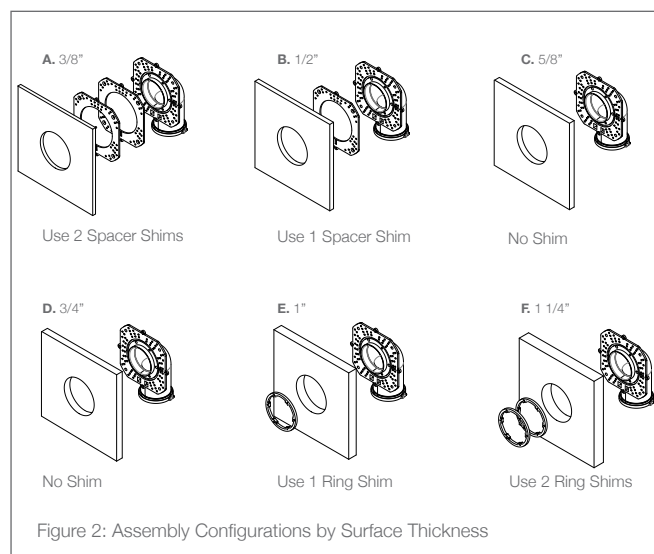
**NOTE: THE SONANCE BANDPASS SUBWOOFER MUST BE INSTALLED AND THE BANDPASS HOSE MUST BE CONNECTED TO THE SOLID SURFACE BANDPASS CONNECTOR PRIOR TO THE SURFACE BEING FINISHED AROUND IT.**

## Install the Bandpass Subwoofer

- Follow the steps in the Sonance BPS6 TL Subwoofer Install Manual or Quickstart Guide to install and secure the subwoofer to the ceiling joists or wall studs.
- Properly wire and connect the subwoofer per the Sonance BPS6 TL Subwoofer Install Manual or Quickstart Guide.
- Once the BPS6 TL subwoofer is in position with wires connected and BEFORE the surface has been finished around the subwoofer, test the subwoofer by playing an audio signal through it. Once the signal is detected and the subwoofer is confirmed to be operational, proceed with the installation of the BPC SS hardware as outlined in this manual.

## Determine Assembly Configuration

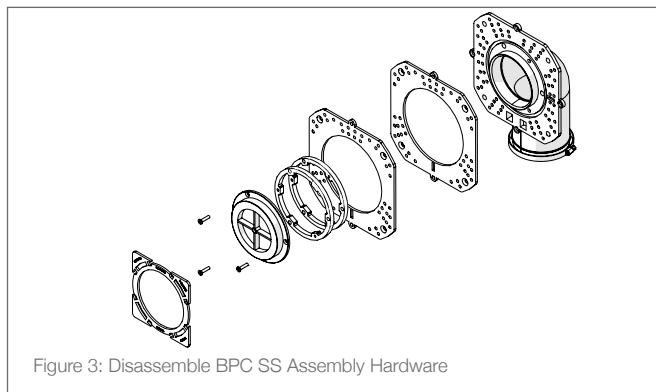
- Follow the chart in Figure 2 to determine which included hardware assembly configuration to use for your solid surface thickness (see Figure 2).
  - For a surface thickness of **3/8" (9.5mm)**, use 2 shims
  - For a surface thickness of **1/2" (12.5mm)**, use 1 shim
  - For thicknesses of **5/8" (16mm)**, no shim is needed
  - For thicknesses of **3/4" (19mm)**, no shim is needed
  - For a surface thickness of **1" (25mm)**, use 1 ring shim\*
  - For a surface thickness of **1 1/4" (32mm)**, use 2 ring shims\*



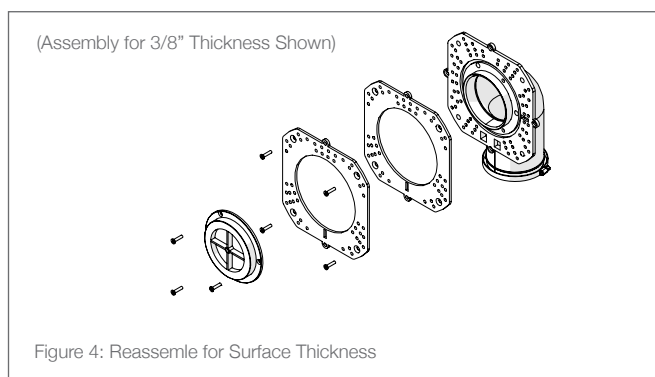
**\*NOTE: FOR SURFACE THICKNESSES OF 1" AND 1 1/4", THE RING SPACERS MUST BE REMOVED FROM THE ASSEMBLY AND RESERVED FOR THE STEPS FOLLOWING SECURING THE BPC SS HARDWARE TO THE SOLID SURFACE MATERIAL. DO NOT DISCARD THESE PARTS OR THEIR INCLUDED SCREWS.**

## Prepare the BPC SS Assembly

1. Once the correct number of spacers is selected for the surface thickness, disassemble the BPC SS by removing the included screws.
2. Remove the alignment tool, the cross spacer, the two ring spacers, and the two spacer shims. Reserve the alignment tool and spacer rings for later. (See Figure 3)



3. Reassemble the BPC SS based on the appropriate configuration outlined in Figure 2, using the included screws to secure the cross spacer and spacer shims to the BPC SS. (See Figure 4)

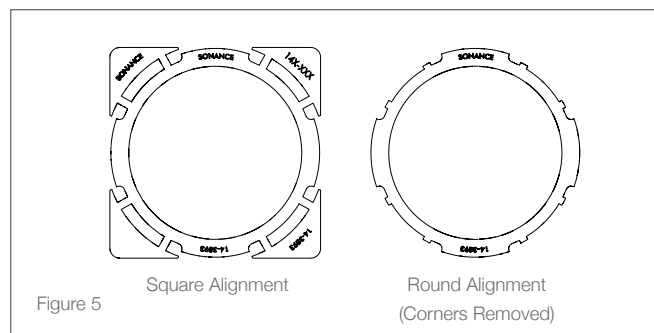


## Stone Surface Applications

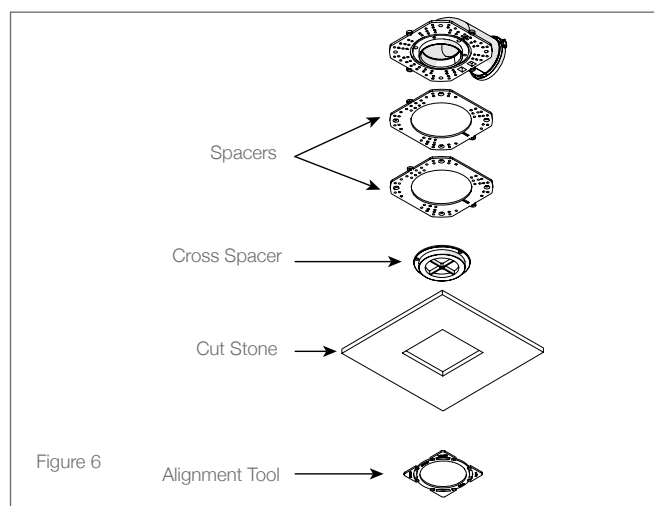
1. Determine the desired grille finish shape (round or square) and then contact the stone supplier for the project to have the stone surface cut. The cut will be precise, round or square, to accommodate the desired grille finish for the BPS6 TL and BPC SS.

**NOTE: THE OPENING IN THE STONE MUST BE PRECISE. IT IS REQUIRED THAT THE STONE BE CUT IN A FACTORY SETTING USING A WATER JET OR CNC PROCESS. SONANCE PROVIDES ELECTRONIC CAD FILES AVAILABLE AT SONANCE.COM SPECIFICALLY FOR THIS PURPOSE. ONCE THE STONE IS CUT AND DELIVERED TO THE JOB SITE, PROCEED TO THE FOLLOWING STEPS. DO NOT USE A HANDHELD CUTTING TOOL.**

2. Setup a proper work area for epoxy. Ensure that the area is well ventilated.
3. Place the cut stone face-down on a clean, flat surface, taking care not to scratch or scuff the stone.
4. Place the Alignment Tool inside the stone opening. For square openings, use the tool as-is. If the opening is cut for a ROUND grille finish, use a pair of pliers to snap off each corner of the alignment tool before placing into the stone opening. This tool will keep the BPC SS assembly centered while securing the BPC SS to the stone. (See Figure 5)

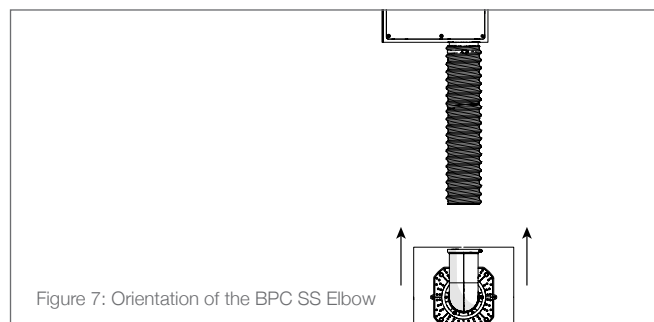


5. Place the BPC SS assembly, cross spacer-side down (with the appropriate number of spacer shims attached, if required for your thickness) into the rear of the cutout in the stone to verify tight fit and to verify that the BPC depth is appropriate for the surface thickness. The cross spacer should be flush with the front surface of the material.



6. Verify proper directionality of the BPC SS elbow BEFORE securing with epoxy. Ensure that the positioning is correct for the eventual placement and connection to the BPS6 TL Subwoofer within the surface.

**NOTE: WHEN POSITIONING THE BPC SS HARDWARE WITHIN THE SOLID SURFACE MATERIAL, ENSURE THAT THE 90 DEGREE CONNECTOR ELBOW IS ORIENTED SO THAT IT WILL BE POINTED TOWARD THE SUBWOOFER PORT TUBE ONCE INSTALLED WITHIN THE WALL OR CEILING (SEE FIGURE 7).**



7. Prepare the stone for epoxy by cleaning all contact surfaces with acetone.
8. Prepare the flange for epoxy by cleaning with acetone.
9. Mix the epoxy. Once the mixture is blended properly, lightly spread a thin layer onto the contact surface of the stone. This will ensure proper adhesion.
10. Place a generous amount of epoxy onto the mating flanges of the BPC SS.

- Place the BPC SS back into the rear of the stone cutout, and press the flange firmly to the stone; epoxy should flow out of the holes in the flange.
- Verify a flush fit. The cross spacer should be flush with the front surface.
- Allow the epoxy to cure per manufacturer recommendations.
- Move the BPC SS and attached stone surface into position near the installed BPS6 TL Subwoofer and proceed to the steps outlined in "Connecting the Port Tube".

## Wood Surface Applications

- Determine the desired grille finish shape (round or square) and cut the opening in the wood surface using the optional Sonance Router Template. Be sure to follow the instructions as outlined on the Router Template surface.

**NOTE: THE OPENING IN THE WOOD MUST BE PRECISE. TO ACHIEVE PRECISE CUTS, USE A SONANCE ROUTER TEMPLATE (SOLD SEPARATELY), OR A CNC MACHINE. ONCE THE WOOD IS CUT, PROCEED TO THE FOLLOWING STEPS.**

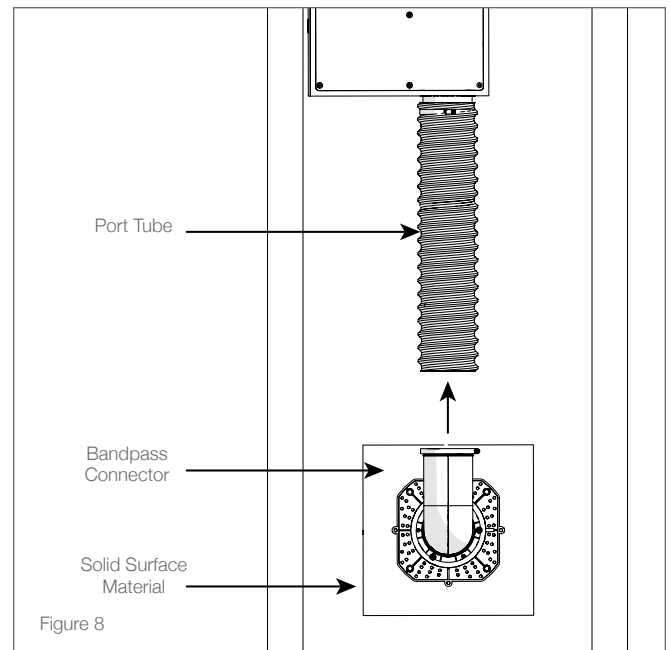
**OPTIONAL ROUTER TEMPLATE (PART # 93057) - PLEXI-GLASS CUTTING AID THAT ALLOWS FOR IN-FIELD ROUTING OF A PRECISE FASCIA OPENING FOR SOLID SURFACE APPLICATIONS. CAN ONLY BE USED ON SOFT MATERIALS SUCH AS WOOD.**

- Place the prepared wood face-down on a clean, flat surface, taking care not to scratch the wood.
- Place the Alignment Tool inside the wood opening. For square openings, use the tool as-is. If the opening is cut for a ROUND grille finish, use a pair of pliers to snap off each corner of the alignment tool before placing into the wood opening. This tool will keep the BPC SS assembly centered while securing the BPC SS to the wood.
- With the material face-down, place the BPC SS assembly into the cut surface opening, cross spacer-side down. Moderate pressure will need to be applied as the enclosure is a precise fit in the opening.
- Pre-drill each of the mounting locations and fasten the enclosure to the material using an appropriately sized screw.
- Move the prepared BPC SS and wood surface into position near the installed BPS6 TL Subwoofer and proceed to the steps outlined in "Connecting the Port Tube".

## Connecting the Port Tube

Once the BPS6 TL Solid Surface Bandpass Connector is installed into the solid surface material, proceed to connecting the BPS6 TL Subwoofer port tube to the connector within the ceiling joist or wall stud bay.

- Position the BPC and attached surface material so that the 90 degree elbow is positioned pointing toward the subwoofer port tube (see Figure 8).



- The BPS6 TL ships with a foam plug and tether inserted into the end of the port tube; remove and discard the plug. Guide the port tube onto the 90 degree connector so the tube is positioned snugly in place. Tighten the clamp ring to secure the port tube. Verify that the port tube is secure.

**NOTE: DO NOT OVER TIGHTEN THE HOSE CLAMP. ENSURE THAT THE HOSE WILL NOT BECOME DETACHED FROM THE BANDPASS CONNECTOR.**

**NOTE: USING AUDIO PROGRAM MATERIAL, VERIFY THAT THE SUBWOOFER IS OPERATING CORRECTLY BEFORE CLOSING THE CEILING OR WALL.**

- Once the subwoofer and Solid Surface bandpass connector elbow are securely installed, connected, and tested, proceed to finish the wall or ceiling surface surrounding the subwoofer.
- The BPS6 TL and Solid Surface Bandpass Connector require a BPC Trim Ring and Grille (sold separately) once construction is complete. Please contact your Sonance representative to order, if not already acquired (Part # 93335 ASBPC3RS TL Trim Ring with Round and Square Grilles).

For BPS6 TL installation details, please visit:  
[WWW.SONANCE.COM/IN-WALL-IN-CEILING/BPS6-TL](http://WWW.SONANCE.COM/IN-WALL-IN-CEILING/BPS6-TL)

**Warranty details: Trim Components/Fascias are one (1) year. Mounting Platforms are limited fifteen (15) years.**

Sonance warrants to the first end-user purchaser that this Sonance-brand product, when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the period stated above. Sonance will at its option and expense during the warranty period, either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent.

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