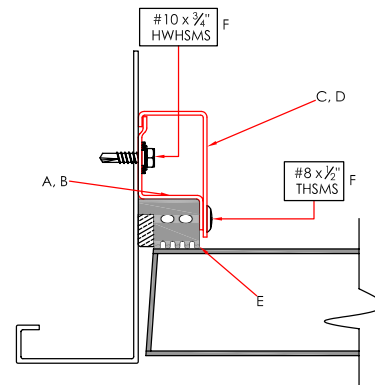


Instructions for Adjusting KriegerSonic Compression Perimeter Seals

PRIOR TO INSTALLING SEALS, FRAME AND THRESHOLD MUST BE INSTALLED. READ THESE INSTRUCTIONS FULLY, FROM BEGINNING TO END, BEFORE ATTEMPTING SEAL INSTALLATION. IF YOU HAVE ANY QUESTIONS, CONTACT KRIEGER'S ENGINEERING TEAM AT (562) 695-0645.

1. Locate seal package marked for opening upon which you are working. Open, and check contents; you should have:
 - (A) Two jamb seal retainers, same length ("Z" profile) factory notched at TOP end.
 - (B) One, shorter, head retainer ("Z" profile).
 - (C) Two jamb seal covers ("L" profile) factory notched at TOP.
 - (D) One, shorter, head seal cover ("L" profile).
 - (E) Three pieces acoustic seal, neoprene x felt (2 long, 1 short).
 - (F) One plastic bag of screws, and washers.



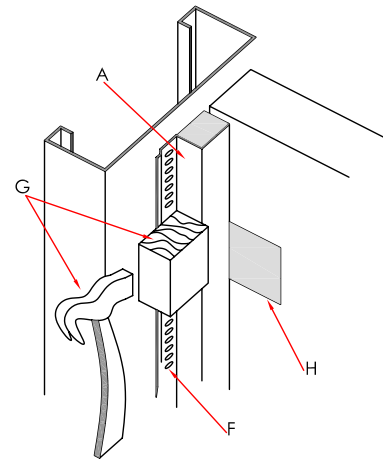
2. Measure the height, at either jamb, inside frame, from underside of head to top of threshold (or floor if no threshold is used) very carefully. Note that frame has the seal mounting holes pre-drilled, (usually) starting 2" down from the top of the jambs - heads will vary according to opening width.
3. Select retainer for that jamb (note that its' notch goes at top, and leg with slotted holes points away from door.) Cut this retainer (AT BOTTOM END!) to slightly (1/16" – 1/8") less than dimension obtained above. Repeat procedure for other jamb (height dimension may not be same, due to variance in floor level!)
4. Loosely fasten jamb retainers in place, with the #10 screws, and rectangular washers, supplied, USING EVERY HOLE. Keep retainer parallel to edge of jamb (all screws should be roughly in center of slots.)
5. Fasten head retainer to frame in same manner, parallel to edge, and in line with tops of jamb retainers.
6. Cut neoprene jamb seal material to full opening height dimension (from step 3) plus 1/4", for the best fit. Miter top at a 45 degree angle (felt always goes next to the frame, so it will ALWAYS be on the longest side of any piece.) Repeat for other jamb. Cut head neoprene to full opening width dimension plus 1/8", and miter both ends, again making sure that felt is on the LONG side.
7. Insert neoprene seal into retainers, securing mitered faces to one another at corners with super glue. (If it is difficult to insert neoprene, loosen retainer screws slightly.)

8. Select a jamb cover, and noting that factory notch goes at top; measure down (on the LONG leg!) and mark a length of 1/16" less than retainer length (which you obtained at step 4). This will be the correct length for the cover; trim off any excess, neatly and squarely. Repeat for other jamb, allowing for any difference in length. **IF DOORS ARE HUNG, AND SEALS ARE TO BE ADJUSTED AT THIS TIME, SKIP TO INSTRUCTION 11; IF NOT, PROCEED WITH INSTRUCTION 9.**

9. Install covers, jambs first, then the head (which should not require any trimming) using the #8 screws supplied, in all of the holes provided. Do not overtighten (particularly if using a screw-gun) and be sure that the screws do not cause the seal to bulge towards, or pull away from, the door.

10. Be sure that hinges and latching device are correctly installed, and that door swings properly, without binding.

11. With the door in the latched position, push the seals and the retainer up to make positive contact with the door. Starting at bottom of hinge jamb, using a hammer and wood block (G), drive the retainer and seal assembly to make tight contact with the door, tightening screws (F) as you move around the entire perimeter.



12. Slam the door several times and re-check the adjustment with the thin plastic card (H) enclosed, all around the opening. When the seals are properly adjusted, the card should slip between the door and seal with the door latched. The card should fit snugly, but not so tight that it bends. It should not be so loose that it falls out of its' own weight at any point, but it should not be difficult to remove. If the seals are adjusted too tightly, this can cause problems with the operation of the finish hardware.

13. Final adjustment must be done carefully to prevent sound leaks. After final adjustment, install several "lock screws" between the slotted holes to 'lock' the retainer adjustment in place. Check for any light leaks between the frame and the retainer or at mitered corners. Close these by tightening the screws or by caulking the miter joint in the retainer from back side. Install, or replace, the seal covers (see instruction 10).

14. **NEVER MOUNT ANY HARDWARE ON THE SOUND SEAL COVERS!**

15. **WARNING REGARDING PAINT AND NEOPRENE SEALS**

For sound seals to work properly they must be adjusted to make positive contact with the door. There will be pressure between the vinyl seal and the painted surface of the door. The problem appears to be the paints slow release of solvent that dissolved out of the plasticizer in the gasket. To avoid this problem we recommend using a "low VOC" or "no VOC" finish paint, VOC stand for "volatile organic compound". If you have any questions, please consult a paint manufacturer for their recommendation(s) for this condition. All paint applied at our factory must comply with California Air Resources Board standards. Doors should be painted and allowed to dry completely before adjusting sound seals. The flexible sound seal itself must NEVER be painted, under any circumstance, as this will render it ineffective.