



■ WINDOWS & DOORS ■

**STERLING
DOUBLE HUNG
BULB WEATHERSTRIP
FIELD REPLACEMENT
KIT**

READ THESE INSTRUCTIONS COMPLETELY BEFORE
ATTEMPTING ANY INSTALLATION



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INTRODUCTION

These instructions cover the materials, tools, and modifications needed to convert the vertical jambliner weatherstripping from a pile to a bulb on installed Heritage Sterling DH or installed Ultra Sterling DH in the field.

NOTICE

Only personnel experienced in working with Kolbe and Kolbe products should perform these modifications.

⚠ CAUTION

Proper eye and hearing protection must always be worn when installing, removing or modifying Kolbe products.

NOTICE

This kit can be used for glass sizes up to a 32" width and/or height. If you have a larger size window please notify Kolbe.

PARTS INCLUDED IN KIT (Quantity supplied)

- B5150 36" T-stem foam bulb weatherstrip - primary (4)
- B5156 36" L-stem foam bulb weatherstrip - secondary (2)
- B5046 36" Bottom Rail Hollow Bulb Weatherstrip (1)
- B5117 (sized to sash) PVC Wstp holder & seals (1)
- Square Nose Tilt Latches (2)
- #7 x 1-1/8" Beige Screws (2)
- B5318 7/8" Diameter 1" Long Backer Rod (2)



B5150 T-Stem
Foam Bulb
Weatherstrip



B5156 L-Stem
Foam Bulb
Weatherstrip



B5117 PVC
Wstp holder & seals



B5046 Bottom Rail
Hollow Bulb
Weatherstrip



Square Nose
Tilt Latch



B5318
Backer Rod

ITEMS NEEDED BY INSTALLER

- Hot Glue Gun / Hot Glue Sticks
- Router / 1/2" Diameter Round Nose Router Bit
- 1/2" Diameter (rat-tail) File / Flat File
- Block Plane and/or Sanding Block
- Adjustable Router Table / Jig Edge Guide*
- 1/8" Diameter Patching Dowel / Wood Glue
- Drill / 1/8" Diameter Drill Bit
- Small Pry Bar
- Vinyl Snips
- Utility Knife

* If you do not have a router edge guide, one that works great for this project can be found in Rockler Magazine or at www.rockler.com. Look for the Router Edge Guide, item # 34420. This router edge guide will attach to most portable routers.

PREPARATION

- Remove bottom and top sash from frame

Top Sash:

- See Fig. 1. Remove pivot pins
- See Fig. 2. Remove interlock
- See Fig. 3. Remove tilt latches and discard

Fig. 1

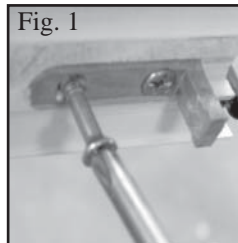


Fig. 2

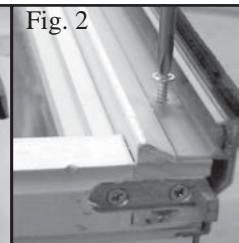
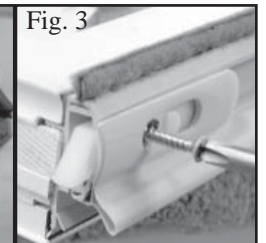


Fig. 3



- See Fig. 4. Remove the weather-seal holder (B5117) located on the top rail of the top sash and discard.
- See Fig. 5. Plug holes on top rail of top sash where the original tilt latch screws were located using a patching dowel and wood glue.

Fig. 4

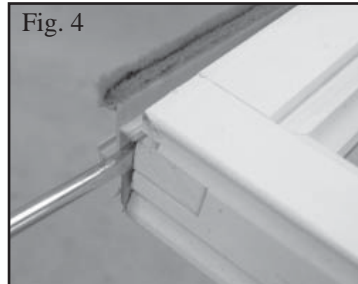
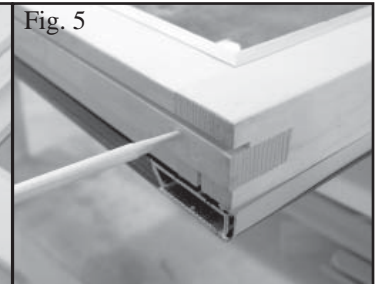


Fig. 5



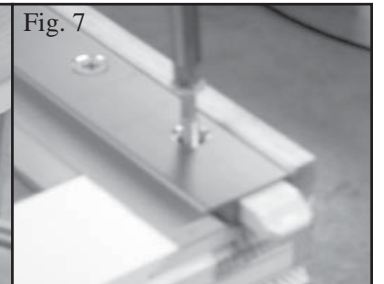
Bottom Sash:

- See Fig. 1. Remove pivot pins.
- See Fig. 6. Remove lock
- See Fig. 7. Remove locking cartridge

Fig. 6



Fig. 7



- See Fig. 8. Remove stile (side) PVC weatherseals and discard. (On bottom sash of Ultra product only!)
- See Fig. 9. Remove bottom rail hollow bulb weatherstrip (B5046) and discard.

Fig. 8

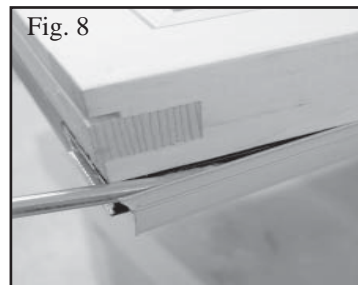


Fig. 9



FABRICATION

See Fig. 10, 11, 12 & 13 on page 2.

- Using a router table or jig edge guide; set up the router to route a 1/4" radius in the top and bottom sash stiles (sides). If you are working with Ultra units (Extruded Aluminum) see Fig. 10. If you are working with Heritage units (wood) see Fig. 13.

Ultra units only!

- Put a 3/32" bevel on bottom sash just under aluminum sash cover on stiles. Use a block plane or sanding block. Use a "rat-tail" file at check rail ends. See Fig. 10 & 12.
- On the top sash: use a flat file to file the top corners of the extruded aluminum to a 1/8" radius. See Fig. 11.
- On the bottom sash: use a flat file to file the bottom corners of the extruded aluminum to a 1/8" radius. See Fig. 12

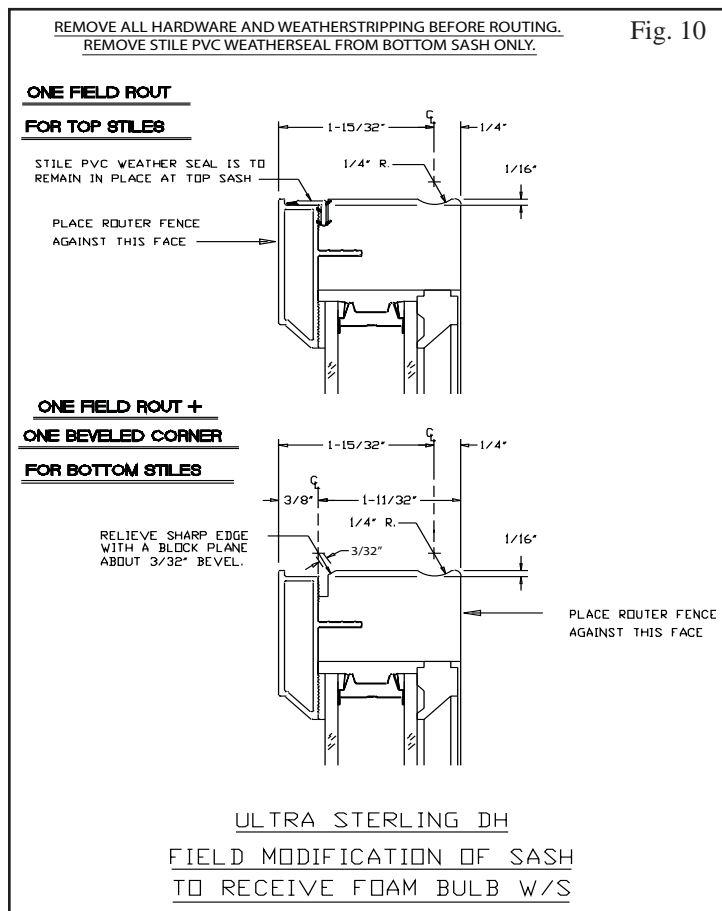


Fig. 10

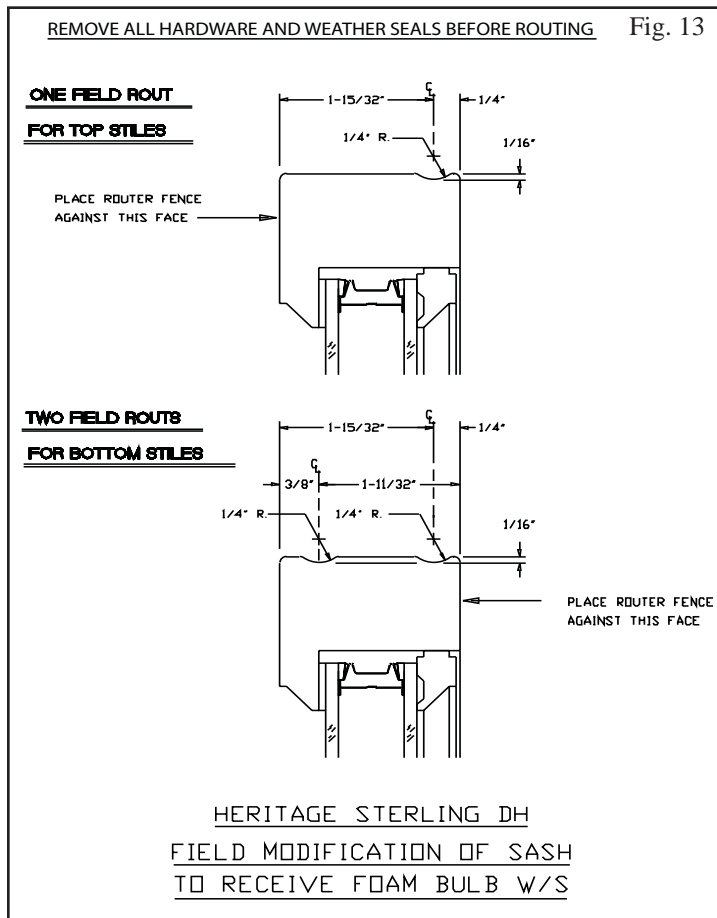


Fig. 13

ASSEMBLY

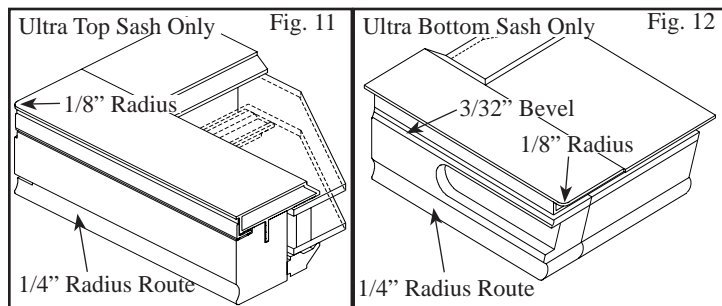
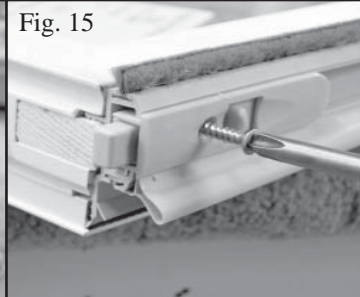
Top sash:

- Re-install pivot pins
- Re-install interlock
- See Fig. 14. Insert the new PVC weather-seal holder (B5117) provided into the top rail of the top sash. The pile weatherstrip should face the interior of the sash when installed correctly.
- Pre-drill a 1/8" diameter hole 3/4" deep into the top rail through the pre-drilled holes in the weather-seal holder.
- See Fig. 15. Install square nose tilt latches supplied in kit. Use the #7 x 1-1/8" screws provided. Do not over-tighten screws!

Fig. 14



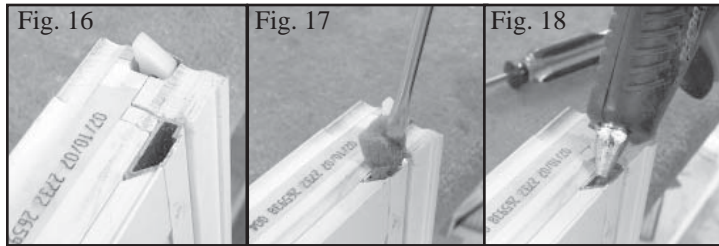
Fig. 15



Bottom sash:

- Re-install pivot pins
- Re-install locking cartridge
- Re-install lock
- Insert the piece of bottom rail hollow bulb weatherstip (B5046) provided into the bottom of the bottom sash. Cut to size.

- See Fig. 16, 17 & 18. Vertically insert the backer rod into the opening in the extruded aluminum at 1/4" deep on each side of the sash. Seal it using hot glue and a hot glue gun. Wipe glue seal for a smooth surface.



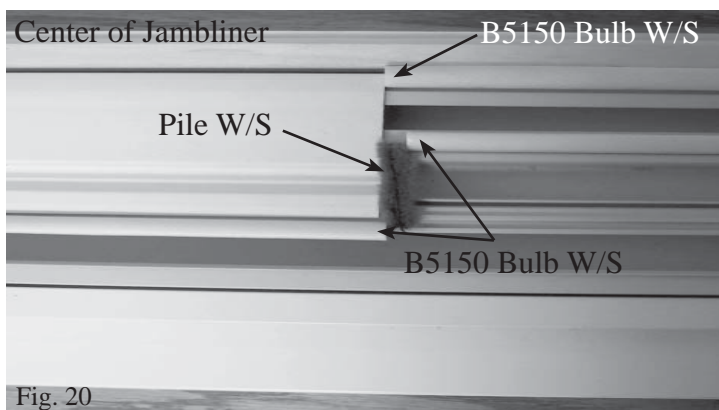
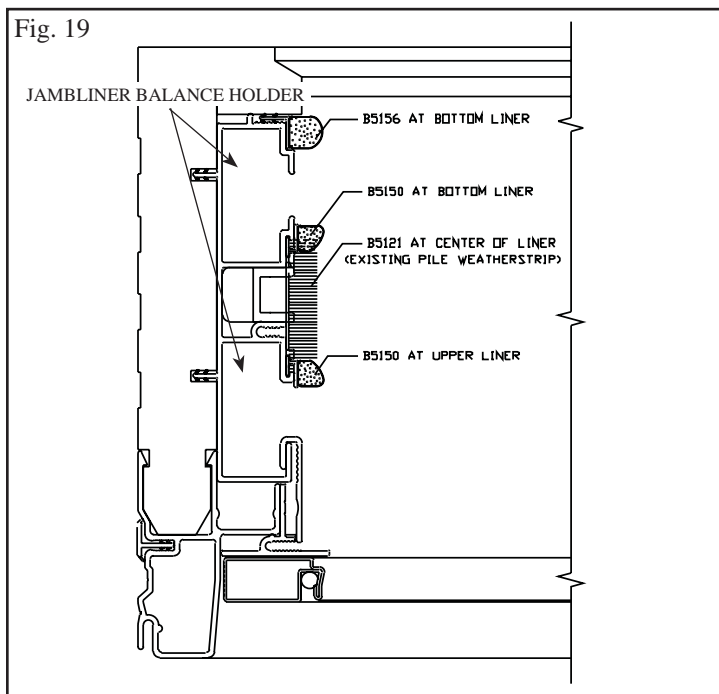
Contact your Kolbe window and door supplier or visit us at www.kolbe-kolbe.com for further information.

THANK YOU
FOR PURCHASING KOLBE PRODUCTS

Kolbe & Kolbe Millwork Co., Inc. reserves the right to change specifications without notice.

Frame:

- See Fig. 19 & 20. Replace existing vertical pile weatherstrip in jambliner with the T-stem (B5150) and L-stem (B5156) bulb weatherstrip supplied with kit. The greater mass of bulb is to face towards each jambliner balance holder. Once inserting in the jambliner the bulb weatherstripping will need to be cut to fit. The small horizontal pile weatherstrip piece does not get replaced.



- Replace the top and bottom sash in the frame.