



WINDOWS & DOORS

FORGENT® SERIES
V707 Mull Intersection
Instructions

READ THESE INSTRUCTIONS COMPLETELY BEFORE
STARTING ANY INSTALLATION

⚠ CAUTION

Lead-based paint may be present in older homes, and the removal of windows & doors may cause this paint to be disturbed. In order to minimize exposure to lead-based paint dust, please consult www.epa.gov/lead for more information.

www.kolbewindows.com

Please read and follow the Installation Instructions completely before installing. If you have any questions about this or any of our products, please call your local Kolbe dealer.

NOTICE

Failure to install and maintain our product according to these instructions will void any warranty, written or implied. The installer is responsible for consulting the contractor, structural engineer, architect, or consumer, for proper installation according to local codes and/or ordinances.

⚠ CAUTION

Some codes require the use of pressure treated lumber to line rough openings. Corrosion resistant materials, such as stainless steel or hot-dip galvanized steel, must be used for fasteners and anchors having direct contact with pressure treated lumber.

⚠ WARNING

Proper Eye and Hearing Protection must always be worn when installing, removing or performing adjustments to Kolbe window and door products.

NOTICE

Before applying sealant or adhesive pads, make sure the area to be sealed is clean, dry, and frost-free. Use color-matching or transparent sealant. Photos show contrasting sealant for clarity and demonstration only. Use a dab of sealant behind any exterior-facing screws or nails.

INTRODUCTION

These instructions are going to show how to tie in a horizontal mullion to a vertical mullion.

ITEMS REQUIRED BY INSTALLER

- Steel Toe Footwear
- Hard Hat
- Sealant
- Harness and Tie offs (per site regulations)
- Safety Glasses
- Cordless or Pneumatic Reversible Driver
- P2 Phillips Head Bits (6 inches long)
- Cordless or Pneumatic Caulk Gun
- Level
- Tape Measure
- Construction Pencils
- Rubber Mallet
- 11/64" and 3/8" Drill Bits
- Impact Drill

HOW TO TIE A HORIZONTAL MULLION INTO A VERTICAL MULLION

STEP #1:

Connecting a horizontal mullion that is already pre-assembled in the factory requires the standard connecting bracket shown in **Fig. 1**. Connecting bracket (Part # 1100000086) and eight #10 x 5/8" flat head screws (Part #1100000311) supplied by Kolbe.

STEP #2:

Lay the units down on a flat surface in the configuration they need to be mullied. Find the aluminum mullion stiffener that will be used to attach the units to.

Remove the nailing fin on the side of the frames you are mulling by using a utility knife and scoring the backside of the nailing fin connection to the frame. Do this several times then bend the nailing fin back and forth until it's removed from the frame. Any remaining nailing fin material needs to be chiseled or sanded off to have a flush surface.

STEP #3:

Locating the standard bracket on the aluminum mullion stiffener. Measure from the sill of the window up to the center of the horizontal mullion stiffener. Take your length and minus 3/16" from the length.

See **Fig. 2**. Place your tape on the mull stiffener and measure up your distance and place a pencil mark.

STEP #4:

Place the standard end bracket on the mull stiffener centering the bracket on the bar and center the bracket off your pencil mark.

See **Fig. 3**. Attach the bracket using the #10 x 5/8" flat head self-tapping screws provided.

STEP #5:

Then slide the standard bracket into the horizontal mull stiffener and fasten the bar to the window. Make sure the bar is center between the head and sill of the mull assembly and also between the frame interior to exterior so that the exterior mull cover can be applied. See fastening details on the next pages for proper screw size and location depending on the unit types that are being mullied together.

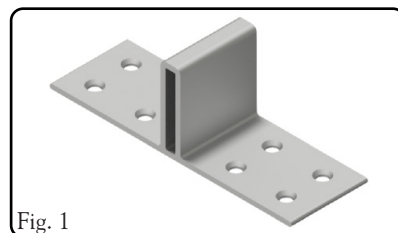


Fig. 1

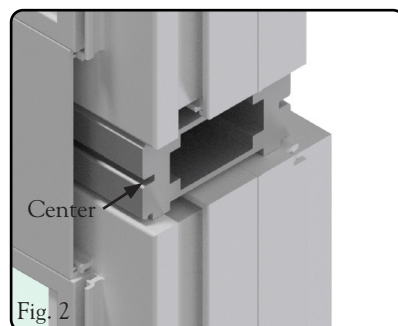


Fig. 2

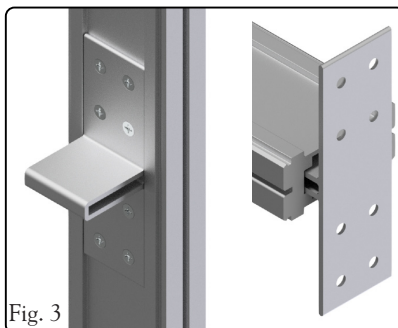


Fig. 3

FASTENING - CASEMENT DIRECT SET

See **Fig. 4 & 5**. For direct sets drill a 3/8" pilot hole 1-3/8" in from the interior face of the frame and 6" from each corner and 12" o.c. through the frame. Use a #8 x 1" flat head screw through the frame and the aluminum reinforcement. Once screws are installed cover the pilot hole with 3/8" plug by pressing or taping them into the frame.

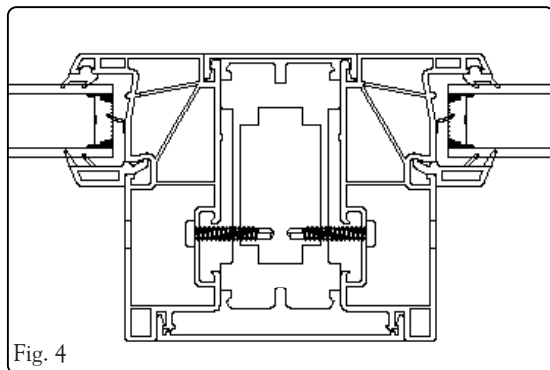


Fig. 4

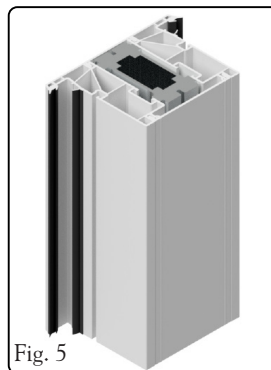
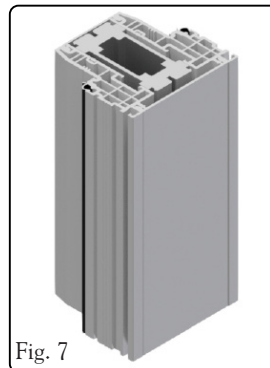
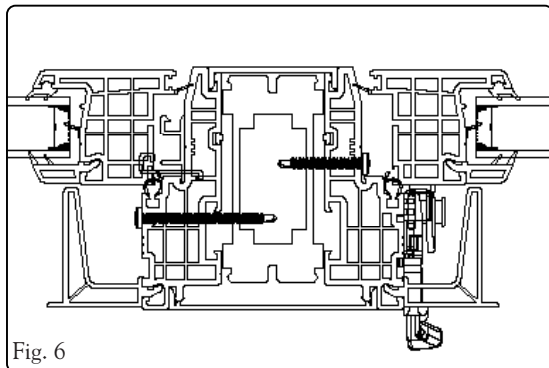


Fig. 5

FASTENING - CASEMENT PICTURE WINDOW, CASEMENT & AWNING

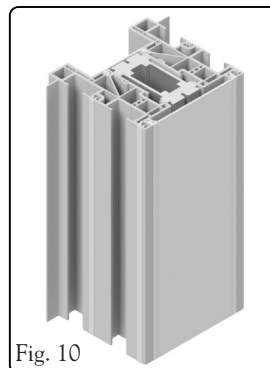
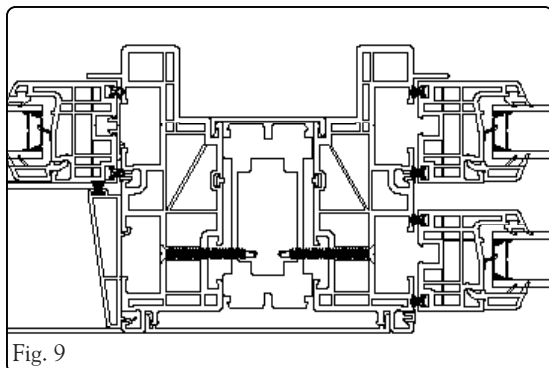
See Fig. 6 & 7. On Casement picture windows, place screws 6" from each corner and 12" o.c. using #8 x 2" pan head screws through the frame as shown in fig. 6. For awning and casement units where the lock is along the mull use a #8 x 1-1/4" pan head screw and attach the window to the aluminum reinforcement mull as shown in fig. 7.



FASTENING - DOUBLE HUNG STUDIO TO DOUBLE HUNG

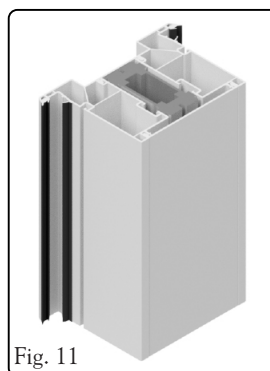
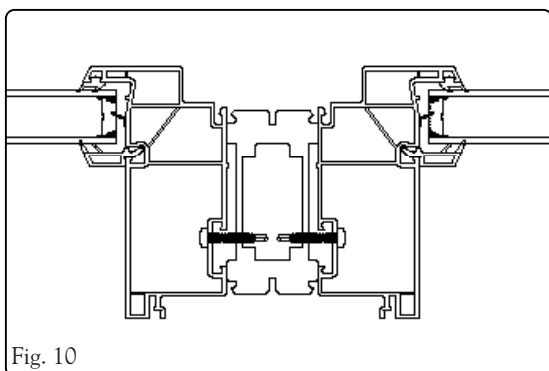
See Fig. 8 & 9. Place screws 6" from each corner and 12" o.c. using a #8 x 1-1/2" flat head screw through frame and the aluminum reinforcement mull.

Screws must be flush or recessed into the balance pocket of the double hung or the balance system will interfere with the screw heads.



FASTENING - DOUBLE HUNG DIRECT SETS

See Fig. 10 & 11. For direct sets drill a 3/8" pilot hole 1-3/8" in from the interior face of the frame and 6" from each corner and 12" o.c. through the frame. Use a #8 x 1" flat head screw through the frame and the aluminum reinforcement. Once screws are installed cover the pilot hole with 3/8" plug by pressing or taping them into the frame.

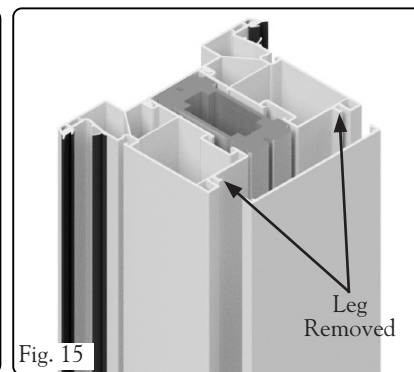
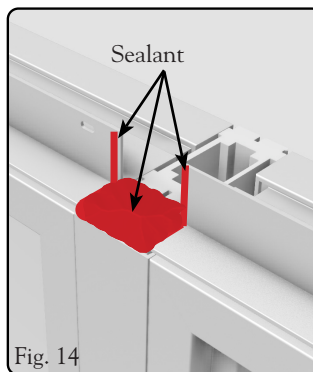
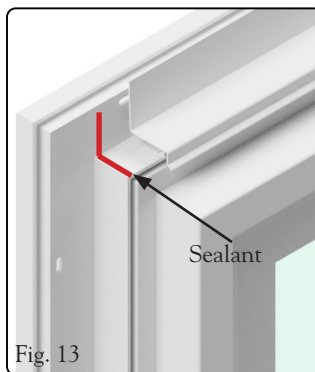
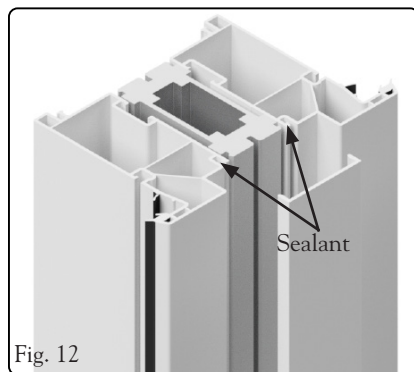


MULL COVER APPLICATION

See Fig. 12. Place sealant along the entire length of the exterior accessory groove on both frames, and then clip the exterior mull cover to both frames.

See Fig. 13 & 14. Drip cap is required at the head. Apply sealant over the mull and to the ends of the drip cap as shown, then apply drip cap at the head.

See Fig. 15. Using a pliers and utility knife, remove the interior support legs on the frame, then apply the interior mull cover.



Mulling is now complete. You can now install the mull assembly into the opening following the product specific installation instructions.

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

**THANK YOU
FOR PURCHASING KOLBE PRODUCTS.**

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

© 2019 Kolbe & Kolbe Millwork Co., Inc.