



MIRA Bi-Parting French Sliding Patio Door Assembly and Installation Instructions

Recommended Tools & Accessories

- Tape Measure
- Level (3' or longer)
- Hammer
- Power Screwdriver
- Load Bearing Shims
- Flashing (recommended)
- Drill with 1/2" bit (French Units Only)
- Exterior grade Sealant (for installation)



READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

These instructions cover how to install Bi-Parting French Sliding patio doors. Check doors thoroughly for possible transit damage. Follow your local building codes, customs and building practices for additional installation requirements. The manufacturer warrants this product only when installed according to these instructions. These instructions are general in nature, and a design or building professional may be consulted. Ply Gem Windows will accept no responsibility for air or water leakage above, under, or around the door unit.

These assembly instructions are for assembly of the MIRA Bi-Parting Sliding Patio Door. They are intended to be used in conjunction with the installation instructions provided with the unit.

UNPACKING THE KIT:

1. Panels for the door are packed one per box. There are two inactive panels, and two active panels. The primary active panel has the latch, and the secondary active panel has the astragal with flush bolts installed.
2. Frame parts and assembly hardware are divided between two boxes. You should have the following components in your frame boxes:

FRAME PARTS KIT CONTENTS:

Components:

- 1 Head jamb assembly
- 1 Sill assembly
- 1 Left side jamb assembly
- 1 Right side jamb assembly
- 1 Head parting bead (vinyl)
- 2 Head inactive panel stop
- 2 Side inactive panel stop
- 1 Head inside stop
- 1 Head inside stop reinforcement
- 2 Side inside stop
- 1 Active handle set
- 1 Passive handle set
- 1 Astragal trim

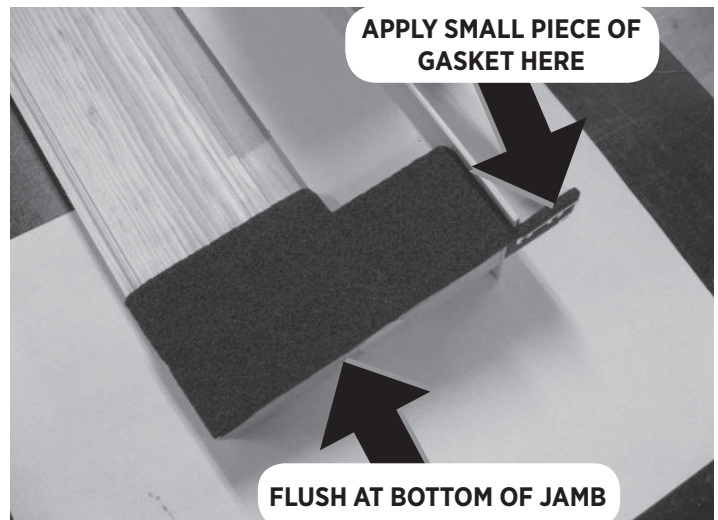
FRAME PARTS KIT CONTENTS (continued):

Hardware:

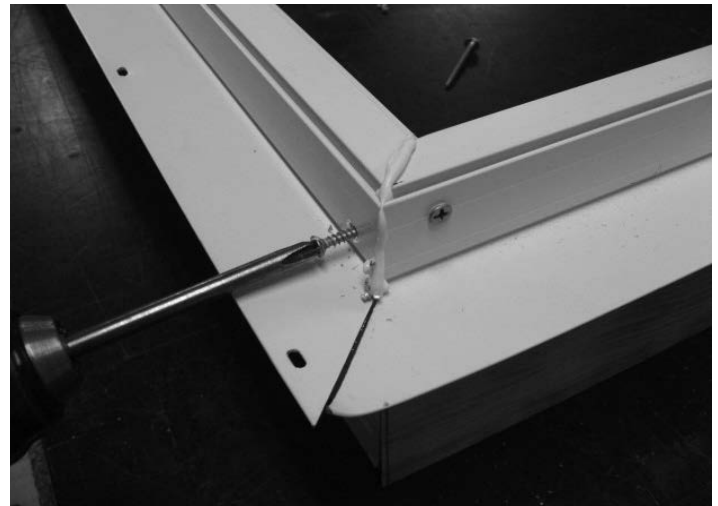
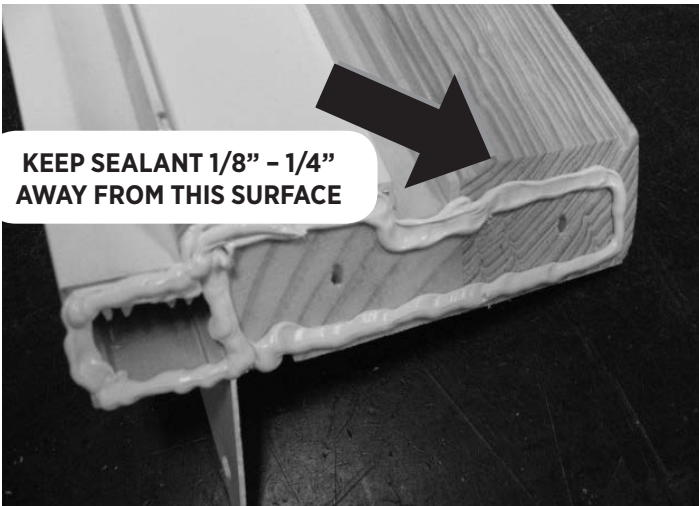
- Tube of color matched sealant
- Frame corner keys
- Pair of sill gaskets
- #8 x 2" truss head screws
- #6 x 3/4" flat head screws
- #6 x 1-1/2" flat head screws
- #8 x 1" flat head screws
- Rubber panel bumpers
- 4 roller adjustment hole plugs
- Inactive panel brackets
- 3/4" x 1-1/2" x 1/4" foam blocks
- Foam wedge pad

ASSEMBLING THE DOOR FRAME:

1. Lay the frame parts out, interior down, on a clean, flat surface. Provide protection, (such as spreading out the panel boxes on the floor) to keep from damaging interior and exterior finishes of the door frame.
2. Apply the sill gaskets to the ends of the side jambs where they will contact the sill. The bottom edge of the gaskets should be flush with the bottom edge of the side jamb. The small piece of gasket is applied to the frame cladding as shown below.

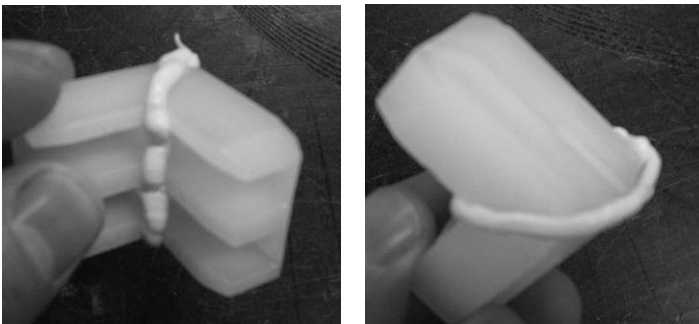


3. Apply sealant to the top end of the side jamb as shown below. Use caution with applying sealant near unfinished interior surfaces – if excess sealant gets smeared on interior wood surfaces, it may cause uneven finishing of wood parts after installation.

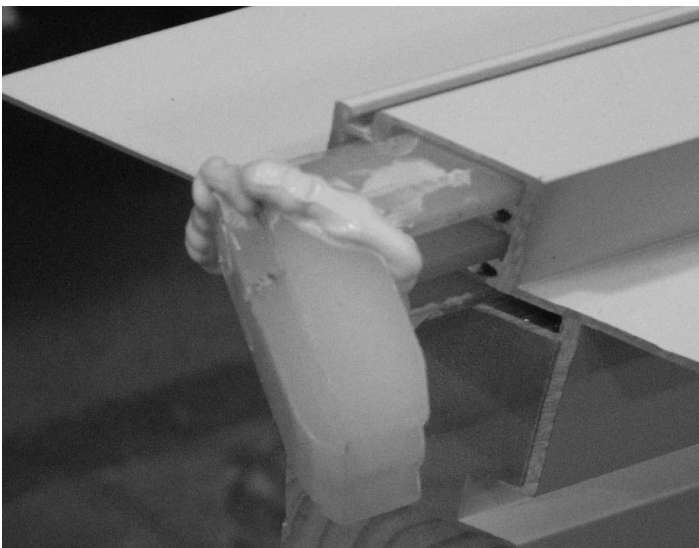


4. Apply sealant to one frame corner key. Press this corner key into place in the hollow in the side jamb cladding.

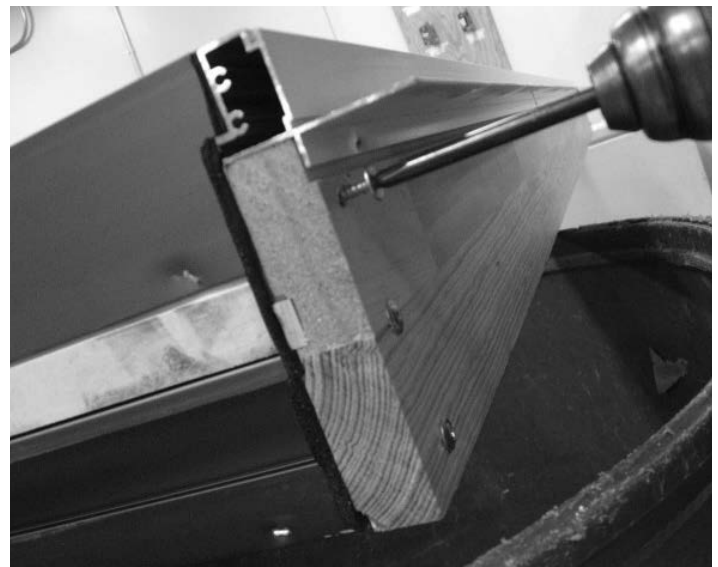
6. Fasten the wood frame parts with (3) #8 x 2" truss head screws. Seat the screws evenly as in step 5 above. Wipe excess sealant from the outside of the frame cladding, and from prefinished interior wood surfaces. If excess sealant shows on unfinished interior surfaces, it is usually best to leave this sealant undisturbed until after it dries. This avoids driving it into the pores of the wood, where it may affect later finishing operations.



7. Repeat steps 3-6 for the opposite side jamb / head jamb joint.



8. Align the sill to be flush with the bottom of one side jamb, and fasten in place with (3) #8 x 2" truss head screws.



5. Align head jamb to side jamb, and push them together until the frame corner key is properly seated into both the head and side jamb cladding. Fasten the frame cladding with (2) #6 x 1-1/2" flat head screws. Seat screws evenly on opposite sides to ensure proper alignment of the corner joint - this is critical to the performance and appearance of the finished door unit.

9. Apply a bit of sealant to the joint between the sill and cladding on the exterior as shown.



10. Repeat steps 8 and 9 for the opposite side jamb.

11. Apply sealant to the rough opening at the sill, extending 6" up the side jambs.

12. Stand the frame up and set it in the center of the prepared rough opening. (see sliding door installation instructions) Fasten loosely in place at the top corners. This will hold the door frame square while you set the inactive panels in place.

13. Apply sealant to the frame and sill as shown on one side of the door frame. Ensure that the bead of sealant is continuous, and extends well into the corners at the head and sill of the unit.



14. Using the correct panel for this side, and from the interior of the door opening - tilt the top of the panel towards you and set it onto the sill. Ensure that the sill locator on the bottom of the panel fits into the groove on the sill. The side of the panel should be all the way against the side jamb.



15. Stand the panel up. Bow the head jamb up slightly (if necessary) to clear the top of the panel.



16. On the exterior, check again to make sure that the panel is properly seated in the sill, so that no space shows between the bottom of the panel and the sill. From the interior, check to make sure that the panel is seated evenly against the side jamb.



17. Fasten the panel in place through the holes use the bracket at the top of the panel. Use #6 x 3/4" stainless steel screws.



20. Repeat steps 12-18 for the inactive panel on the opposite side.

21. Install the vinyl parting bead (with weatherstrip installed) on the head, in between the inactive panel stops.



18. Install the side inactive panel stop, and fasten in place with #6 x 1-1/2" flat head screws. The stop should be justified to the top of the jamb, and should fit all the way down square in the groove in the side jamb. (It may be easier to start at the bottom of the side jamb and work your way up.)



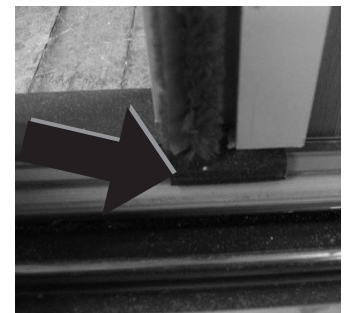
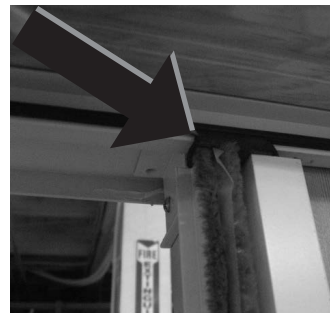
22. Fasten the vinyl parting bead in place with 1/2" x 1/2" staples as shown. Place one staple about 2"- 4" from each end, and 8"- 10" on center in between. (Small flat-head screws may be substituted for the staples, as long as they don't interfere with operation of the active panels. You can also use caulk/sealant as an adhesive.)



19. Install the head inactive panel stop, and fasten in place with #6 x 1-1/2" flat head screws. The stop should be justified to the side stop previously installed, and should fit all the way down square in the groove in the side jamb.



23. Install the 3/4" x 1-1/2" x 1/4" black foam blocks to the top and bottom ends of the interlock as shown. The adhesive side of the block should face the head or sill, not the interlock.



24. **At this point, it is advisable to install the door unit into the rough opening, according to the installation instructions provided.** The finished unit, with all four panels in place, is very heavy and awkward to move, and no remaining assembly details require access or adjustment to the outside of the frame of the unit.

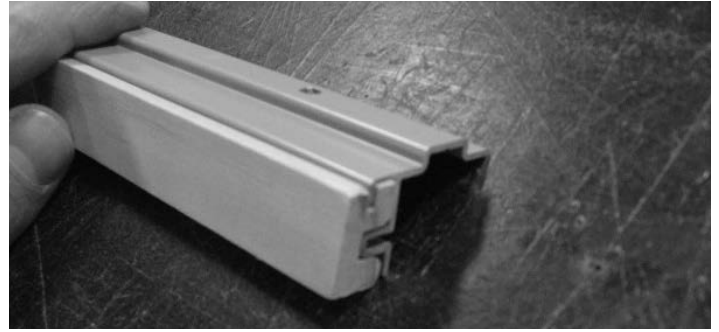
A particular caution upon installing the bi-parting unit – after setting the frame in place in the rough opening, there should be no significant delay in installing the active panels. The reason for this is that the weight of the active panels is needed to correctly settle the sill into the sealant applied under the sill. If this sealant cures before the active panels are set, the result may be a “hump” in the sill that hinders proper operation of the finished unit.

25. Set the secondary active panel in place. Ensure that the rollers are seated correctly on the sill track, and close the panel towards the center position. This will engage the interlock between the active and inactive panels, and will keep the door from falling out while you install the primary active panel. Lock the flush bolts into the head and sill to keep the panel in position. (Some adjustment of rollers may be necessary to get the flush bolts to properly engage the head and sill. Have an assistant hold the panel while you adjust the rollers with a Phillips screwdriver)

26. Set the primary active panel in position. Ensure that the rollers are seated correctly on the sill track, and close the panel towards the center position. This will engage the interlock between the active and inactive panels, and will keep the door from falling out while you install the primary active panel. Using a small flat blade screwdriver, lock the door to the secondary active panel to keep the door assembly closed. (Some adjustment of rollers may be necessary to get the panels to lock together. Have an assistant hold the panel while you adjust the rollers with a Phillips screwdriver. **CAUTION: DO NOT USE A DRILL DRIVER.**)

27. Install the side inside stops, and fasten in place with 1/4" x 1" staples. Place on staple 2"- 4" from each end, and then 10" - 12" on center in between. (Small finish nails or screws may be substituted for the 1/4" x 1" staples, as this is not a structural component.)

28. Assemble the head inside stop to the head inside stop reinforcement as shown. These will slide together from either end.



29. Slide the head inside stop assembly in place above the active panels. It may be necessary to adjust the panel rollers to drop the panels to provide clearance for installation. Fasten in place with the #8 x 1" screws in the holes provided. (fasten at the ends first; the center hole will then be accessible by unlocking the active panels and sliding them open. They are now retained by the head inside stop)



30. Install the panel bumpers to the unit by clipping the rubber profile over the rail in the sill (an alternate at the preference of the installer is to apply them to the head of the unit, fastened in place with a screw.)



31. Install the self-adhesive, foam wedge pad in place at the bottom of the astragal as shown.



32. Cut the astragal trim to fit in between the head and sill inside stops. Install the astragal trim, and fasten in place with 1/4" x 1" staples. Place a staple 2"- 4" from each end, and then 10" - 12" on center in between. (Small finish nails or screws may be substituted for the 1/4" x 1" staples, as this is not a structural component).

33. At this point, your assembly is complete and you may proceed with remaining installation details, screen installation, and adjustment of the bi-parting door unit.