

# Vivid Sliding Patio Door and French Door Knocked Down Assembly Instructions

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**ABSTRACT:** Please read these instructions in their entirety before beginning to assemble and install your Knocked Down Vivid Door product. These instructions demonstrate the installation of an Vivid Patio or French Door and should be used in conjunction with installation details found in the door installation instructions.

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# Installation Kits

Vivid Sliding Patio Door Knock Down Assembly Kit Description				
Part Description	Drawing Number	Part Number	Color	All Config Kit
#8-15 x 0.625" Pierce Point, PHIL, TH, FT	00025218	11806158	BG	16
		11806173	BK	16
#8-15 x 0.750" TYPE A-17, FT, Pin-in T20	00082572	05080219	-	4
#8-18 x 1.000" TYPE A-17, FT, PH	00003187	11805185	SS	5
#8-15 x 3.500" TYPE A/TF, 2/3 THREAD	00003235	05080121	-	10
#8-18 x 0.500" TYPE AB, FT	00003278	11800516	SS	12
#8-18 x 0.625" TYPE A/TEK-2, FT	00003239	11800498	SS	9
#7 x 0.750" TYPE A-17, A/PH, FULL THREAD	00080025	11806164	SS	1
		11870522	BG	2
Interlock Seal, Subassembly	00125940	11870521	BK	2
Header Dust Block	00000403	10500135	-	2
Silicone	00026320	11407038	-	1
Pin-in T20 Torx Driver Bit	NA	02095562	-	1
Stationary Panel Bracket, SS	00000160	10501159	SS	2
Stationary Panel Plug	00000262	10500128	-	2
Stationary Panel Gasket, OOX/XOO	00115623	10503422	-	1
Kit Part Numbers				130005

Vivid Sliding French Door Knock Down Assembly Kit Description				
Part Description	Drawing Number	Part Number	Color	All Config Kit
#8-15 x 0.625" Pierce Point, PHIL, TH, FT	00025218	11806158	BG	16
		11806173	BK	16
#8-15 x 0.750" TYPE A-17, FT, Pin-in T20	00082572	05080219	-	4
#8-18 x 1.000" TYPE A-17, FT, PH (SS)	00003187	11805185	SS	4
#8-15 x 3.500" TYPE A/TF, 2/3 THREAD	00003235	05080121	-	10
#8-18 x 0.500" TYPE AB, FT	00003278	11800516	SS	12
#8-18 x 0.625" TYPE A/TEK-2, FT	00003239	11800498	SS	9
Interlock Seal	00105454	11868809	BG	2
		11868810	BK	2
Header Dust Block	00000403	10500135	-	2
Silicone	00026320	11407038	-	1
Pin-in T20 Torx Driver Bit	NA	02095562	-	1
Stationary Panel Top Plug	00026356	10500195	-	2
Stationary Panel Gasket, OOX/XOO	00115623	10503422	-	1
Kit Part Numbers				130006

# Before You Begin



## WARNING!

Always practice safety! Wear the appropriate eye, ear, and hand protection, especially when working with power tools.



## WARNING!

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to [www.P65Warnings.ca.gov/wood](http://www.P65Warnings.ca.gov/wood).



## WARNING!

This product can expose you to chemicals including titanium oxide, which is known to the state of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



## WARNING!

This product can expose you to chemicals including methanol, which is known to the state of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Installer and Builder Information

Always provide a copy of these instructions for the current or future building owner.

Plan sizing of rough opening and clearance from exterior finishing systems to allow for normal materials shrinkage or shifting (e.g. wood structure with brick veneer; allow adequate clearance at sill). Failure to do so can void the Marvin warranty coverage.

Contact your Marvin dealer if you have any questions regarding product and materials used in manufacturing or questions on replacement parts.

Based on your door configuration, screw packets will be sent with your door.

## Aftermarket Products

Alterations to Vivid window and door products including window films, insulating or reflective interior treatments or additional glazings can cause excessive heat buildup and/or condensation. They may lead to premature failures not covered under warranty by Marvin.

Before purchasing or applying any product that may affect the installation or performance of Marvin products, contact the manufacturer of after market product/glazings that are not supplied by Marvin and request written product use, associated warranties, and damage coverage. Provide this information and warranties to the end user and/or building owner for future reference.

## You Will Need to Supply

- Safety glasses
- Utility knife
- Step ladder
- 1 1/2" Finish nails
- Drill
- 7/64" Diameter drill bit
- 2" Roofing Nails
- Awl
- #2 Phillips screwdriver
- Rubber mallet
- Level
- Hammer
- Tape measure
- Rags/paper towel
- Caulking gun

# Standard Parts Shipped

## **2-Wide assemblies include:**

- 1-head jamb
- 1-sill
- 2- side jambs
- 1-operator panel
- 1-stationary panel

## **3-Wide assemblies include:**

- 1-head jamb
- 1-sill
- 2- side jambs
- 1 operator panel
- 2-stationary panels
- 1- astragal spline kit

## **4-Wide assemblies include:**

- 1-head jamb
- 1-sill
- 2-side jambs
- 2 operator panels
- 2- stationary panels

If replacement parts are needed, please contact your local Marvin Window and Door dealer. Whenever possible, provide a part or profile number.

For installation of your KD Sliding door, you will need a variety of screws. The quantity and type will be based on what configuration you have ordered. With your KD sliding door you have received one of the following packages, determine which package matches your door by the description of the package.

# Frame Assembly

1. Lay the jambs, head jamb, and sill on a flat level surface with the interior side of the unit facing up. See [Figure 1](#).



Figure 1

2. Attach head jamb to side jambs using four #8-18 x 1/2" stainless screws (two screws per key). Repeat for the second side jamb. See [Figure 2](#) and [Figure 3](#).

**NOTE:** Leave the two injection holes open.



Figure 2

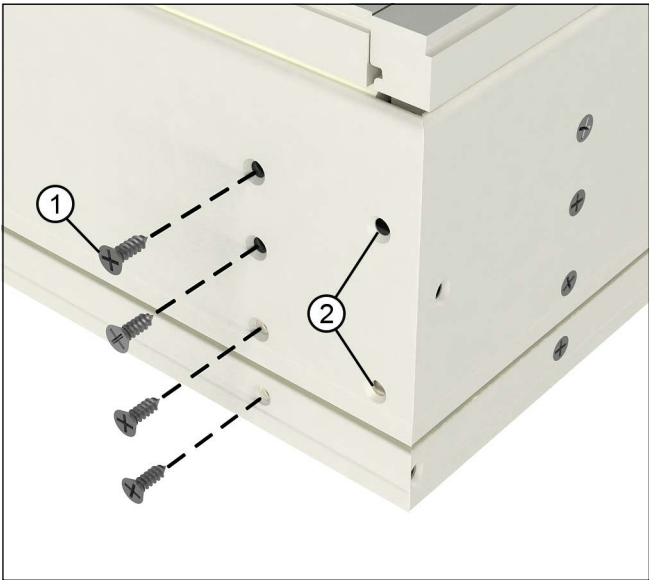


Figure 3

1	#8 x 1/2" stainless steel screws (4)
2	Leave the injection holes open

3. Fasten the head jamb liner to the jamb liner with two 1-1/2" finish nails per corner. Use caution when placing nails to avoid "blowing out" through the jamb liner. See [Figure 4](#).



Figure 4

1	1 1/2" finish nails
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4. Attach sill to side jamb using two #8-18 1/2" stainless screws. Repeat for the second side jamb. [See Figure 5](#) and [Figure 6](#).

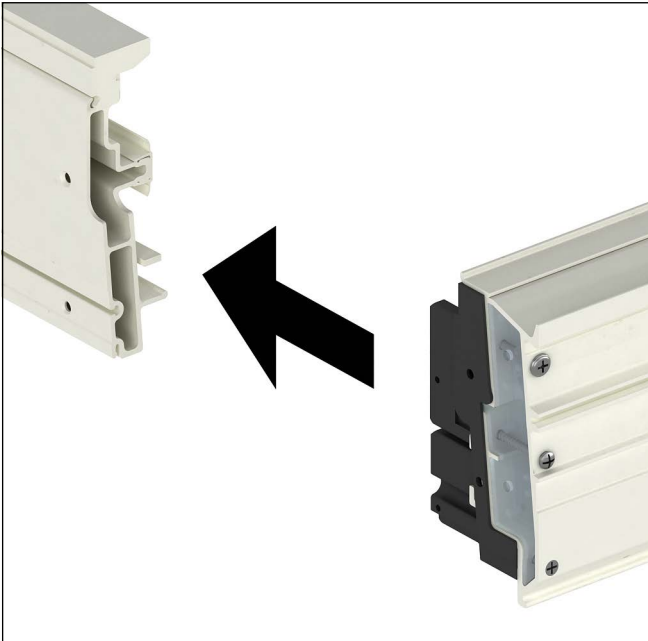


Figure 5



Figure 6

1	#8 x 1/2" stainless steel screws
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5. Inject the exterior injection hole with provided silicone sealant until squeeze out is seen at the exterior injection indicator hole. [See Figure 7](#).

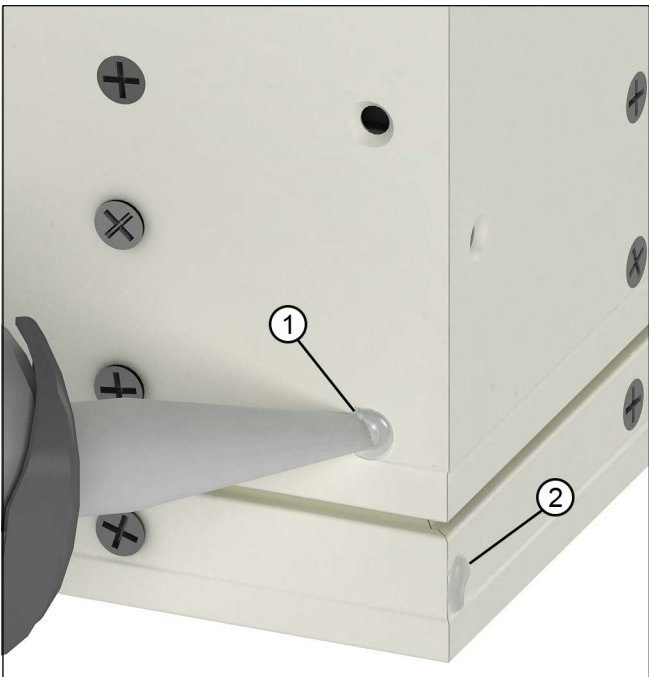


Figure 7

1	Exterior injection hole
2	Exterior squeeze out hole

6. Inject the interior injection hole with provided silicone sealant until squeeze out is seen at the interior injection indicator hole. [See Figure 8](#).

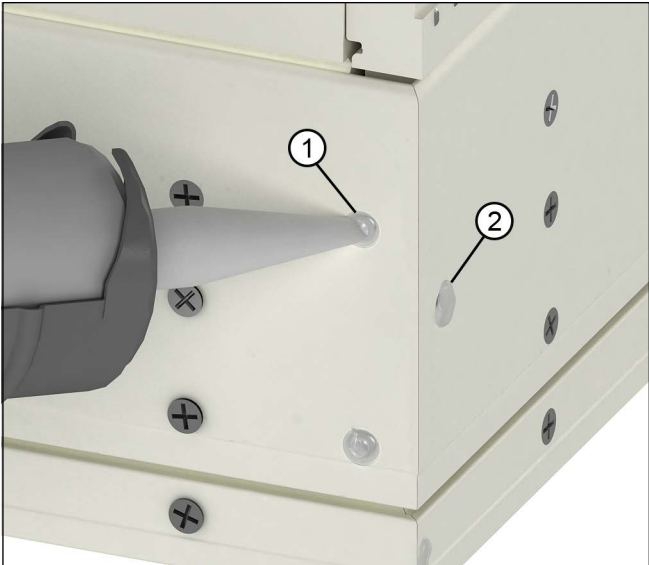


Figure 8

1	Interior injection hole
2	Interior squeeze out hole

## ⚠ CAUTION!

Silicone sealant must be injected into the jamb injection holes until sealant is seen at the indicator holes to prevent water infiltration.

7. Clean up excess squeeze out of silicone sealant. Avoid contamination of other Ultrex or EverWood parts

8. Repeat [step 4 on page 7](#) through [step 7 on page 8](#) for the remaining head jamb and side jamb.

9. Use an awl to punch out both sill plug injection holes. (BE CAREFUL NOT TO PUNCTURE THE SECOND WALL OF THE SILL PLUG.) Inject the bottom (exterior) sill plug hole with provided silicone sealant until silicone weeps out of the top (interior) injection hole. See [Figure 9](#) and [Figure 10](#).



Figure 9

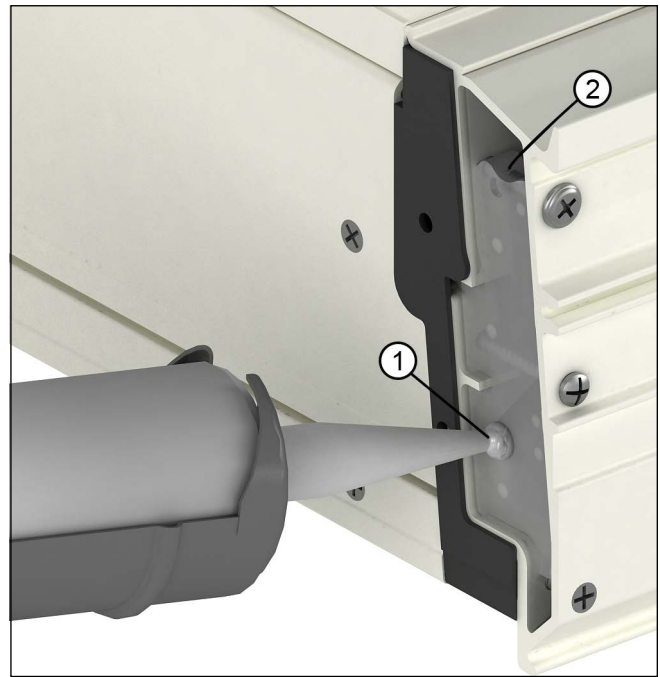


Figure 10

1	Bottom injection hole
2	Inject until silicone comes out the top hole and higher

10. Inject the top (interior) sill plug hole with silicone sealant until silicone has completely filled the sill plug. See [Figure 11](#).

**NOTE:** A full injection is critical for a reliable water seal.

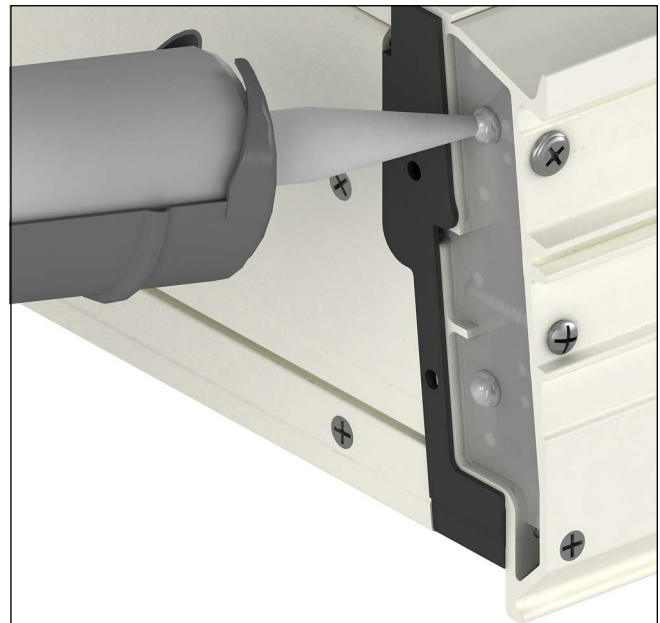


Figure 11



11. Inject the bottom (exterior) jamb plug hole with silicone sealant until squeeze out is seen between the jamb plug and the sill. [See Figure 12.](#)

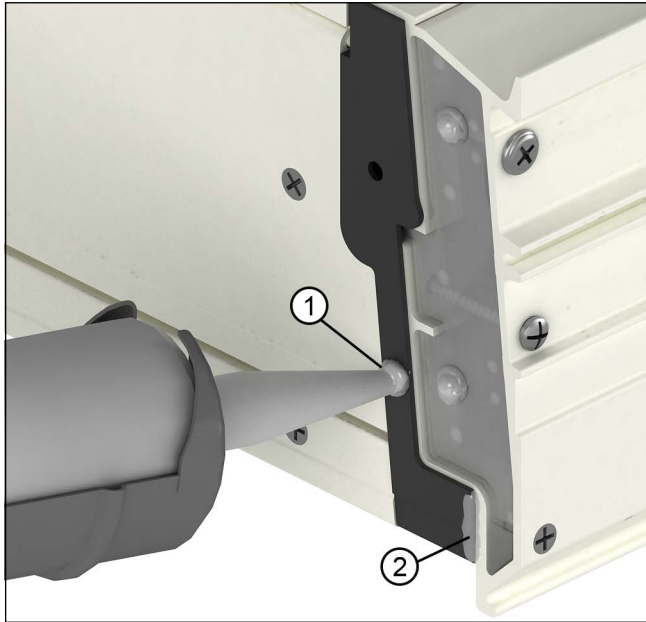


Figure 12

1	Bottom (exterior) jamb plug hole
2	Squeeze out location

12. Inject the top (interior) jamb plug hole with silicone sealant until squeeze out is seen between the jamb plug and the roller track. [See Figure 13.](#)

**NOTE:** A full injection is critical for a reliable water seal.

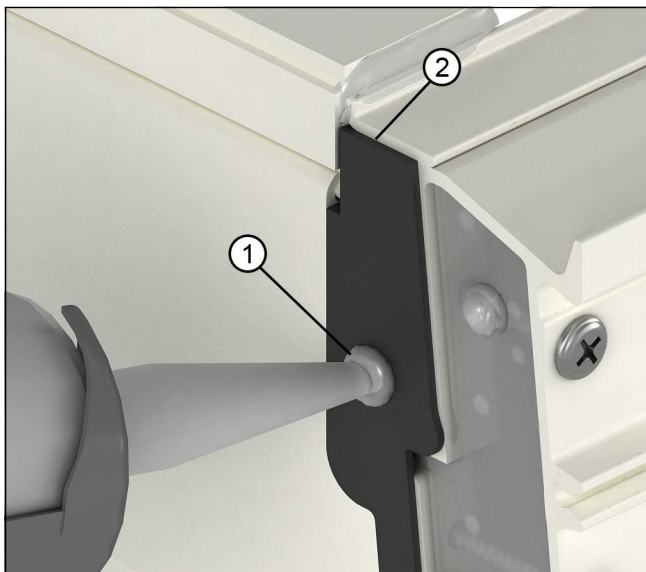


Figure 13

1	Top (interior) sill plug hole
2	Squeeze out location

13. Repeat [step 9 on page 8](#) through [step 12 on page 9](#) for the remaining sill and side jamb joints.

## ⚠ CAUTION!

Silicone sealant must be fully injected into the sill and jamb plugs to prevent water infiltration.

14. Clean up excess squeeze out of silicone sealant. Avoid contamination of other Ultrex parts.



## Seek Assistance

Door units are very heavy and awkward to handle. It is important to obtain adequate assistance to avoid injury to yourself and to avoid damage to the unit.

15. With help, stand frame up to vertical position being careful not to torque or rack the frame. Temporarily install the frame into the opening, making sure the frame is square and jambs are fully secured and shimmed. Do not shim or secure head jamb at this time. Refer to installation instructions for the proper way to install the frame.

## IMPORTANT

For stationary panel installation, refer to the correct panel configuration of your sliding door. After the stationary panels are installed, skip to the section, [Installing the Operating Panels on page 25.](#)

[Installing Stationary Panels- OX/XO/OXXO on page 10](#)

[Installing Stationary Panels- OOX/XOO on page 13](#)

[Installing Stationary Panels- OXO on page 18](#)

## Installing Stationary Panels- OX/XO/OXXO

1. Install one aluminum leveling block insert into the stationary leveling block and slide the insert all the way to the side jamb. See [Figure 14](#) and [Figure 15](#).



Figure 14 Patio Door



Figure 15 French Door

2. Remove the tape backing on the stationary jamb and head jamb. See [Figure 16](#).



Figure 16



### Seek Assistance

Stationary panel is heavy, take care not to let the panel fall forward. Assistance is recommended for this procedure.

**3. For Patio Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior. Lift over the leveling block insert and come to rest on the leveling block. Then slide the stationary panel into the stationary jamb pocket. See [Figure 17](#)



Figure 17

**4. For French Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior to rest on the leveling block. See Figure 18.



Figure 18

**5.** Align the leveling block insert that is on the bottom of the panel with the leveling block. Then slide the stationary panel into the stationary jamb pocket. See Figure 19.

## Tip

When the stationary panel is resting on the leveling block, slide the free-moving leveling block insert under the stationary panel. This assists with panel alignment.



Figure 19

**NOTE:** The panel is fully inserted into the jamb when the sill and header bracket holes align with the pre-drilled holes in the leveling block and header.

**NOTE:** If the holes do not line up, use a tape measure to ensure the panel is 1 7/16" (37) in from the end of the leveling block. Then move on to the [next step](#).

**6.** Fasten stationary panel sill bracket to the leveling block using two T20 Torx® head 3/4" screws. See Figure 20.

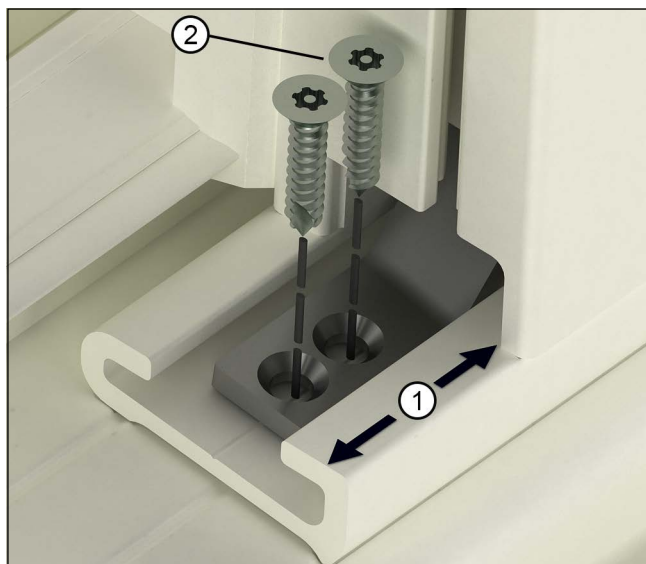


Figure 20

1	1 7/16"
2	T20 Torx tamper resistant screws

7. Fasten the stationary panel header bracket to the header using one #8-18 x 1" screw. See Figure 21 and Figure 22.



Figure 21 French door



Figure 22 Patio door

8. Fasten the interlock seal to the stationary panel with a #8 -18 x 1" panhead screw. See Figure 23.



Figure 23 French door shown, similar on Patio door

9. Inject the interlock seal with the silicone sealant until squeeze out is seen at the point indicated. See Figure 24.

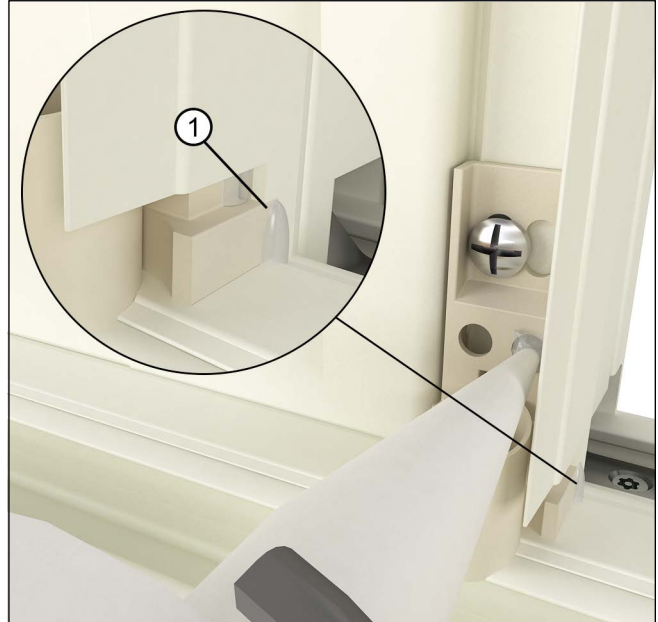


Figure 24

1	Squeeze out
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10. For both Patio and French doors: Remove paper backing from header dust block and place on header weather strip above stationary interlock tight to the stationary panel. The header dust block should fully encapsulate the top end of the stationary interlock. See Figure 25.



Figure 25



## Installing Stationary Panels- OOX/XOO

1. Install one aluminum leveling block insert into the stationary leveling block and slide the insert all the way to the side jamb. See [Figure 26](#) and [Figure 27](#).



Figure 26 Patio Door



Figure 27 French Door

2. Remove tape backing on the stationary jamb and head jamb. See [Figure 28](#).



Figure 28



### Seek Assistance

The stationary panel is heavy. Take care not to let the panel fall forward. Assistance is recommended for this procedure.

**3. For Patio Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior. Lift over the leveling block insert and come to rest on the leveling block. Then slide the stationary panel into the stationary jamb pocket. See [Figure 29](#).



Figure 29

**4. For French Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior to rest on the leveling block. See Figure 30.



Figure 30

**5.** Align the leveling block insert that is on the bottom of the panel with the leveling block. Then slide the stationary panel into the stationary jamb pocket. See Figure 31.

## Tip

When the stationary panel is resting on the leveling block slide the free-moving leveling block insert under the stationary panel. This will assist with panel alignment.



Figure 31

**NOTE:** The panel is fully inserted into the jamb when the sill and header bracket holes align with the pre-drilled holes in the leveling block and header

**6.** If the holes do not line up, use a tape measure to ensure the panel is 1-7/16" (37) in from the end of the leveling block, and then move on to the next step. See Figure 32.

**7.** Fasten stationary panel sill bracket to the leveling block using two T20 Torx® head 3/4" screws. See Figure 32.

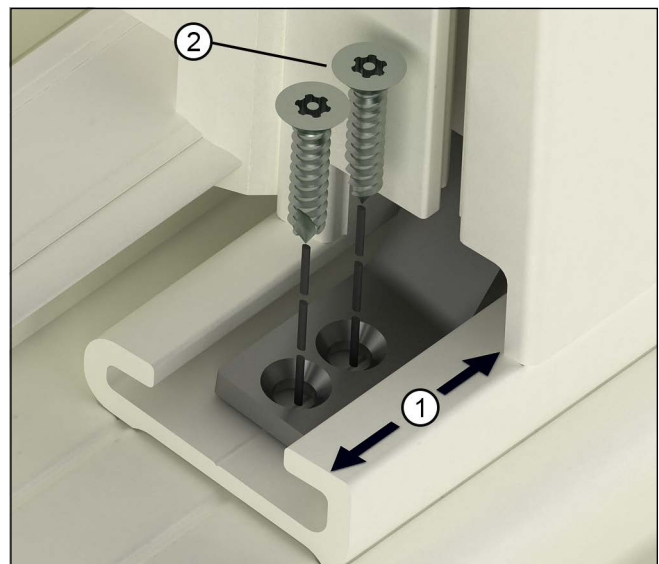


Figure 32

1	1 7/16"
2	T20 Torx head screws

8. Fasten stationary panel header bracket to the header using two #8-18 x 1" screws. See [Figure 33](#) or [Figure 34](#).



Figure 33 French door



Figure 34 Patio door

9. Align the bottom of the stationary spline to the sill in the groove of the first stationary panel with the barb facing the interior. See [Figure 35](#).



Figure 35

10. Install one aluminum leveling block insert into the stationary leveling block and slide the insert all the way to the first stationary panel. See [Figure 36](#) or [Figure 37](#).



Figure 36 Patio door



Figure 37 French door



## Seek Assistance

The stationary panel is heavy. Take care not to let the panel fall forward. Assistance is recommended for this procedure.

**11.** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior. Lift over the leveling block inserts and come to rest on the leveling block. Then slide stationary panel into the stationary jamb pocket. [See Figure 38.](#)



Figure 38 French door shown, similar on Patio door

**12.** Align the leveling block insert that is on the bottom of the panel with the leveling block. Then slide the stationary panel into the stationary jamb pocket. [See Figure 39.](#)



## Tip

When the stationary panel is resting on the leveling block, slide the free-moving leveling block insert under the stationary panel. It assists with panel alignment.



Figure 39

**NOTE:** The panel is fully inserted into the jamb when the sill and header bracket holes align with the pre-drilled holes in the leveling block and header

**13.** If the holes do not line up, use a tape measure to ensure the panel is 1-7/16" (37) in from the end of the leveling block, and then move on to the [step 14 on page 17](#). [See Figure 40.](#)



14. Fasten stationary panel sill bracket to the leveling block using two T20 Torx® head 3/4" screws. See Figure 40.

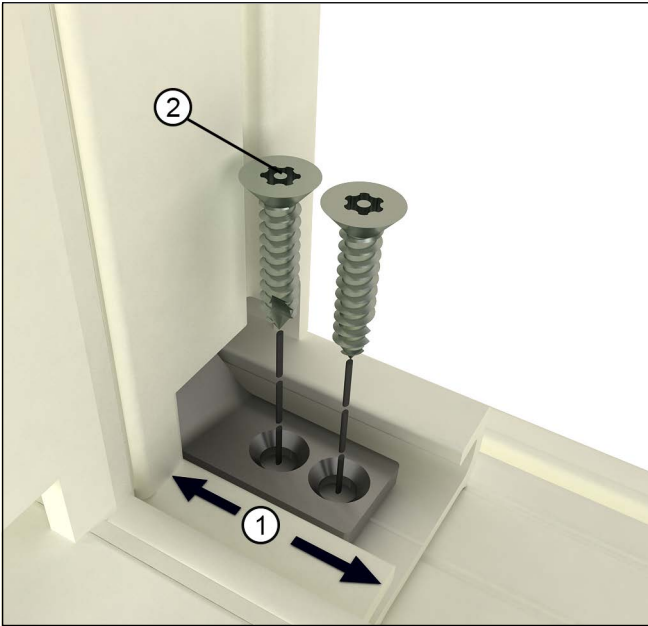


Figure 40

1	T20 Torx head 3/4" screws
2	1 7/16"

15. Fasten the interlock seal to the stationary panel with a #8-18 x 1" panhead screw. See Figure 41



Figure 41

16. Inject the interlock seal with provided silicone sealant until squeeze out is seen at the point indicated. See Figure 42.

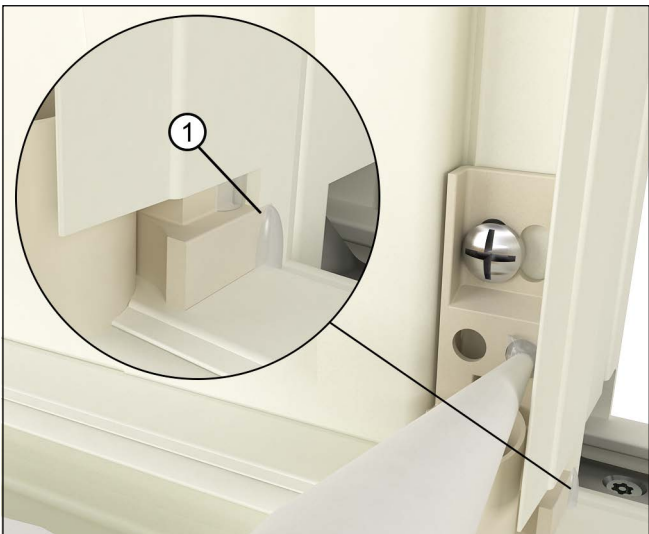


Figure 42

1	Sealant squeeze out
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17. Remove paper backing from the header dust block and place on the header weather strip above stationary interlock tight to the stationary panel. The header dust block should fully encapsulate the top end of the stationary interlock. See Figure 43.



Figure 43

18. Apply mull trim to the interior of the spline. See [Figure 44](#).



Figure 44

## Installing Stationary Panels- OXO

### IMPORTANT

Start by installing the stationary panel WITHOUT the interlock.

1. Insert one aluminum leveling block insert into the stationary leveling block and slide the insert all the way to the side jamb. See [Figure 45](#) or [Figure 46](#).



Figure 45 Patio Door



Figure 46 French Door

2. Remove stationary tape backing from both stationary jambs and header. See Figure 47.



Figure 47



## Seek Assistance

The stationary panel is heavy. Take care not to let the panel fall forward. Assistance is recommended for this procedure.

*NOTE: The following steps are for the locking stationary jamb. It does NOT have the interlock attached to it.*

**3. For Patio Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior and. Lift over the leveling block insert and come to rest on the leveling block. Then slide stationary panel into the stationary jamb pocket. See Figure 48.



Figure 48

**4. For French Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior to rest on the leveling block. See Figure 49.



Figure 49

5. Align the leveling block insert that is on the bottom of the panel with the leveling block. Then slide the stationary panel into the stationary jamb pocket. See [Figure 50](#).



### Tip

When the stationary panel is resting on the leveling block, slide the free-moving leveling block insert under the stationary panel. This will assist with panel alignment.



Figure 50

**NOTE:** The panel is fully inserted into the jamb when the sill and header bracket holes align with the pre-drilled holes in the leveling block and header.

6. If the holes on the sill bracket do not align with the holes in the leveling block, use a tape measure to ensure the panel is 1 7/16" (37) from the end of the leveling block, then move on to the [next step](#).

7. Fasten stationary panel sill bracket to the leveling block using two #8-15 x 3/4" screws. [Figure 51](#).

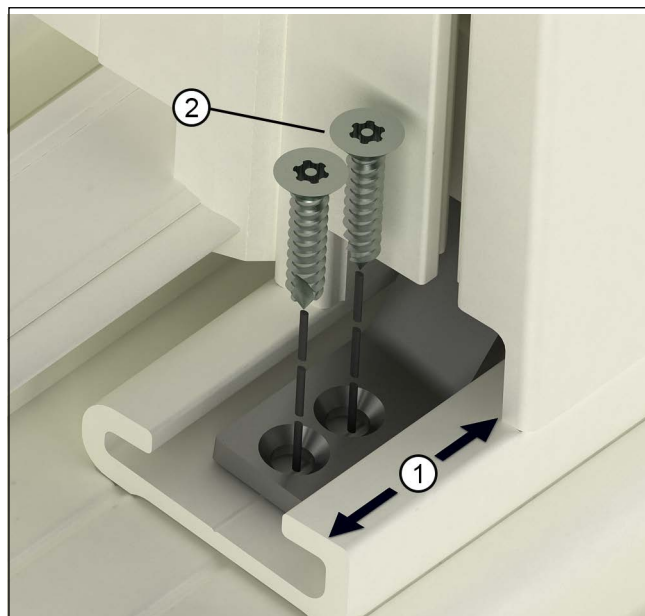


Figure 51

1	1 7/16"
2	T20 Torx head 3/4" screws

8. Fasten stationary panel header bracket to the panel and header using one #8-18 x 1" screws. See [Figure 52](#) or [Figure 53](#).



Figure 52 French door





Figure 53 Patio door

9. With the fabricated end toward the sill, place the screen stop base on the stationary panel. Attach the screen stop base with #8-15 x 5/8" self-tapping screws starting 4" (101) from the bottom and every 11" (279) along the entire length of the screen stop base. With the fabricated end toward the sill, use a rubber mallet and snap the stile cover onto the screen stop base. See Figure 54.



Figure 54

**NOTE:** Use clamps to hold the astragal in place.

10. Align the astragal flush to the interior radius of the screen stop base. Pre-drill the panel with a 7/64" (3) diameter drill bit. Start 4" (102) up from the bottom, then every 9" (229) along the astragal. The maximum drill bit

depth should be 3" (76) to reduce the risk of drilling through the exterior Ultrex. Figure 55 and Figure 56.

## IMPORTANT

Do not drill through the astragal into the panel with a drill bit longer than 3" (76). If longer is used, there is risk of drilling through the exterior wall of Ultrex.



Figure 55

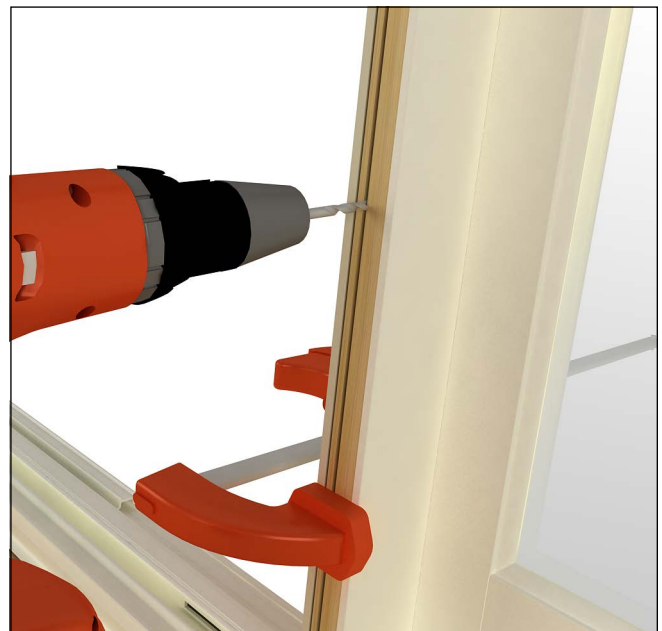


Figure 56

11. Attach the astragal to the stationary panel using #8-15 X 3 1/2" screws. Once all fasteners are installed, the clamps can be removed.

## ⚠ CAUTION!

Be careful not to mar the EverWood as it will affect staining.

12. Barb the interior astragal trim into the kerf of the astragal. See Figure 57.



Figure 57

13. Install one aluminum leveling block insert into the other stationary leveling block and slide the insert all the way to the side jamb. See Figure 58 and Figure 59.



Figure 58 Patio Door



Figure 59 French Door



## Seek Assistance

The stationary panel is heavy. Take care not to let the panel fall forward. Assistance is recommended for this procedure.

**14. For Patio Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior. Lift over the leveling block inserts and come to rest on the leveling block. Then slide the stationary panel into the stationary jamb pocket. See Figure 60.



Figure 60

**15. For French Doors:** From the exterior, place the stationary panel roughly centered between both side jambs. Carefully lift the panel into the exterior head jamb channel and swing the bottom of the panel toward the interior to rest on the leveling block. See Figure 61.



Figure 61

**16.** Align the leveling block insert that is on the bottom of the panel with the leveling block. Then slide the stationary panel into the stationary jamb pocket. See Figure 62.



### Tip

When the stationary panel is resting on the leveling block, slide the free-moving leveling block insert under the stationary panel. It assists with panel alignment.



Figure 62

**NOTE:** The panel is fully inserted into the jamb when the sill and header bracket holes align with the predrilled holes in the leveling block and header.

**17.** If the holes do not line up, use a tape measure to ensure the panel is 1-7/16" (37) in from the end of the leveling block, and then move on to [step 18 on page 24](#).



18. Fasten stationary panel sill bracket to the leveling block using two T20 Torx® 3/4" screws. [See Figure 63.](#)

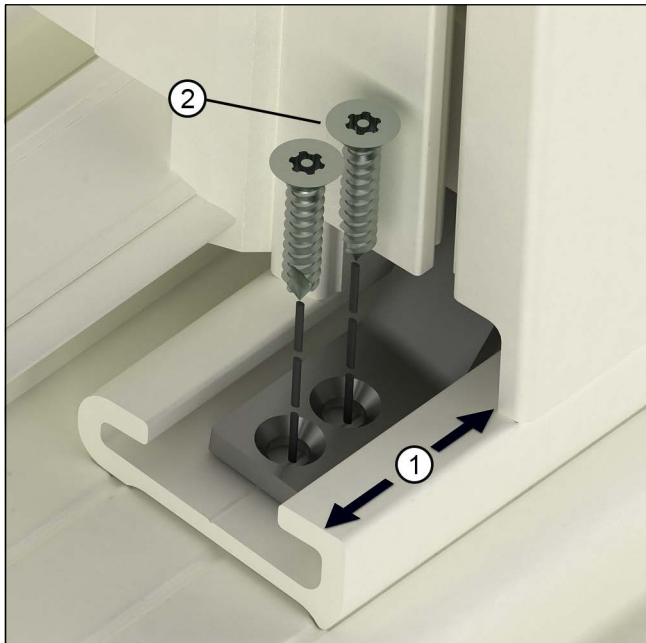


Figure 63

19. Fasten stationary panel header bracket to the header using one #8-15 x 1" screws. [See Figure 64](#) or [Figure 65.](#)



Figure 64 French Doors



Figure 65 Patio Doors

20. Fasten the interlock seal to the stationary panel with a #8-18 x 1 1/2" panhead screw. [See Figure 66.](#)



Figure 66



21. Inject the interlock seal with provided silicone sealant until squeeze out is seen at the point indicated. [See Figure 67.](#)

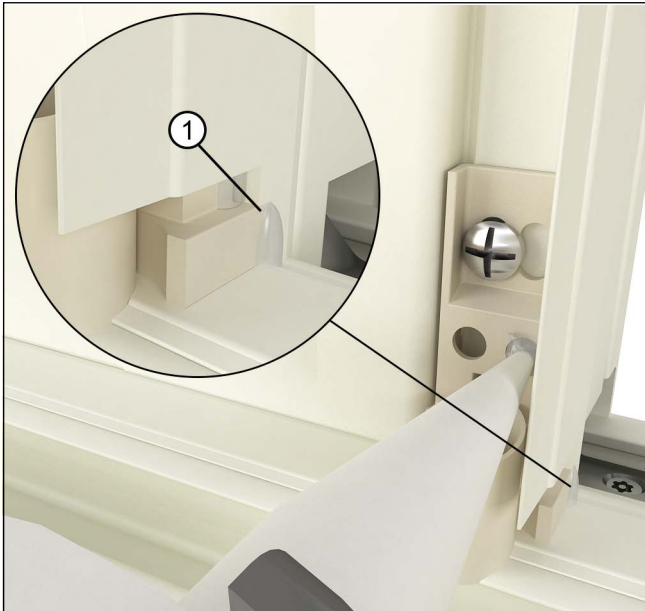


Figure 67

22. Remove paper backing from the header dust block and place on header weather strip above stationary interlock tight to the stationary panel. The header dust block should fully encapsulate the top end of the stationary interlock. [See Figure 68.](#)



Figure 68

## Installing the Operating Panels

1. Pre-assemble the panel guide and panel guide fastener. [See Figure 69](#) and [Figure 70](#)

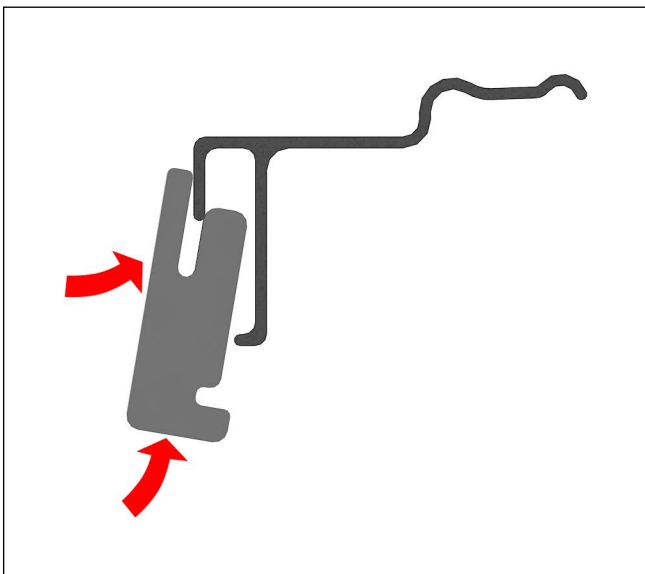


Figure 69

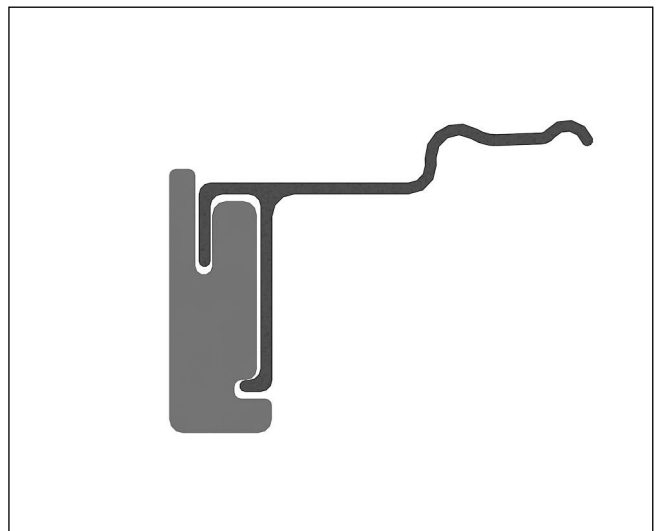


Figure 70



### Seek Assistance

Operator panel is heavy, take care not to let the panel fall forward. Assistance is recommended for this procedure.

2. Lift the operator panel into the frame from the interior and position the rollers on the sill roller track. Tip the top of the operator panel into the frame, slide the panel closed, and hold the panel in position until panel guide fastener is attached. See Figure 71.



Figure 71



## WARNING!

Support operator panel at all times until panel guide fastener is attached. Failure to do so could result in the panel tipping out and causing personal injury or product damage.

3. Using the pre drilled holes as a guide, fasten the panel guide fastener into place with #8-15 x 5/8" screws along the entire length of the panel guide fastener. See Figure 72, Figure 73, or Figure 74.

**NOTE:** No screw is required in the panel guide fastener hole nearest the operator panel when in the closed position. An installation screw will be fastened through the hole in the panel guide fastener.



Figure 72



Figure 73



Figure 74

4. To finish the unit installation, refer to the installation instructions.