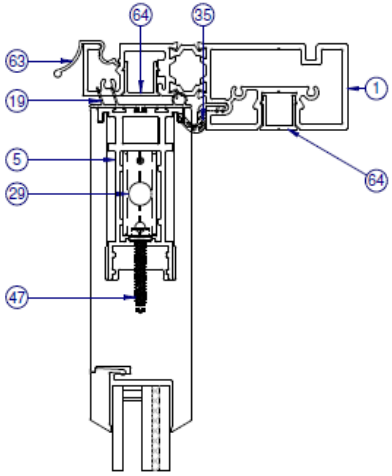
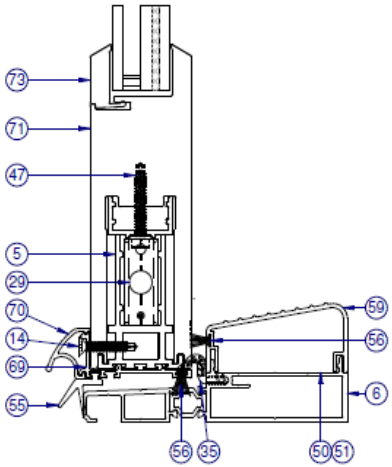
PRODUCT SECTION VIEWS
&
PARTS LIST

HurricaneShield
Swing Door
French Door
Side Lite

SWING DOOR

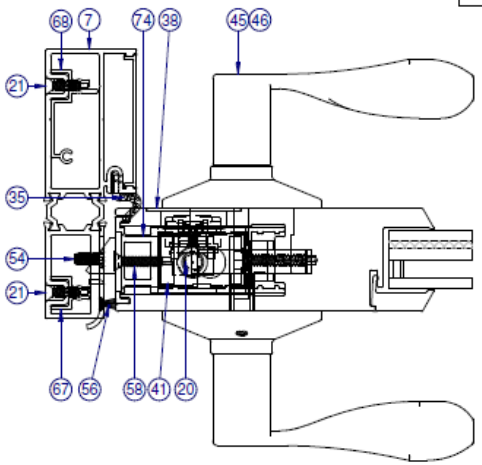


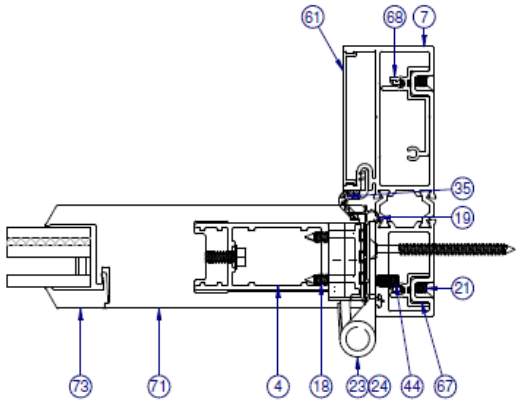
INTERIOR



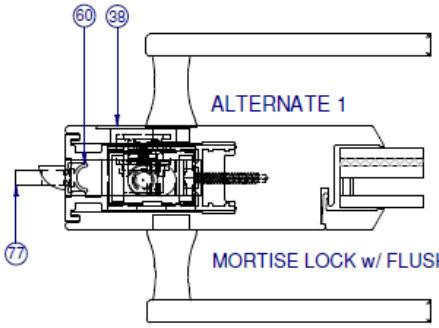
SECTION VIEW A-A

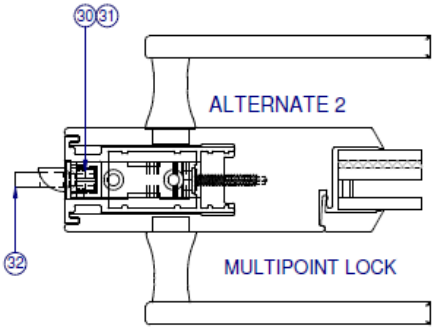
INTERIOR





SECTION VIEW B-B

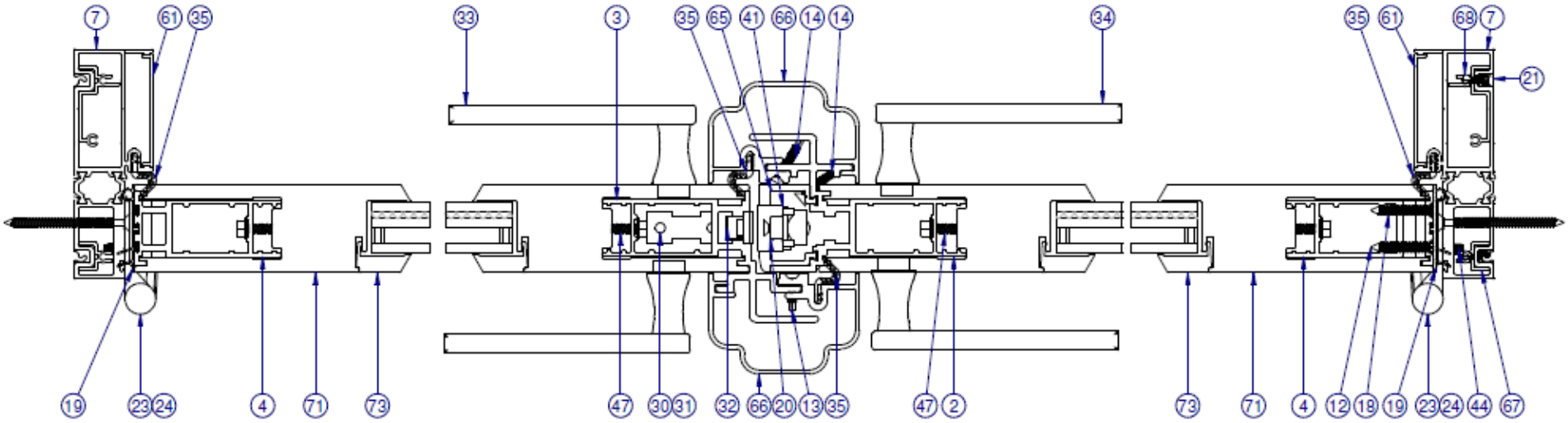




ITEMS NOT SHOWN FOR CLARITY:
10-12, 13, 15-17, 22, 43, 48, 54, 57-58

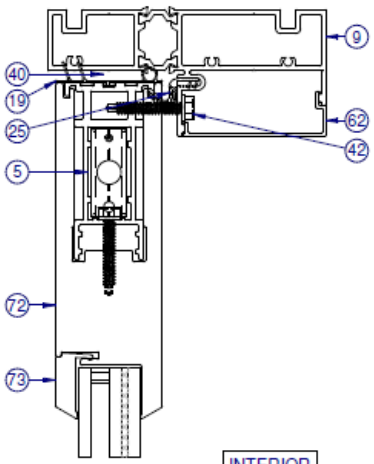
ITEMS NOT USED IN VERSION SHOWN:
2-3, 8-9, 15-16, 25-28, 30-34, 36-40, 43, 52-53, 60, 62, 65-66, 72, 76

FRENCH DOOR

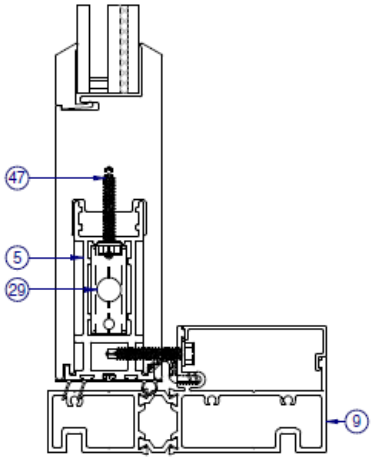


REFER TO SECTION VIEW AA
ON PREVIOUS PAGE FOR
VERTICAL VIEW

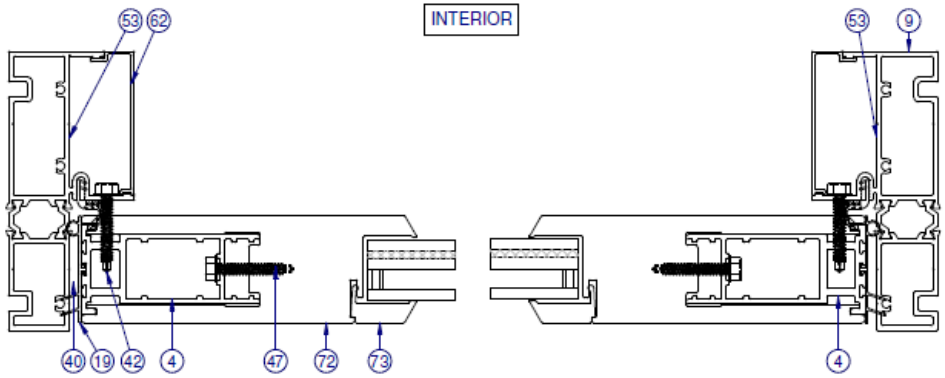
SIDE LITE



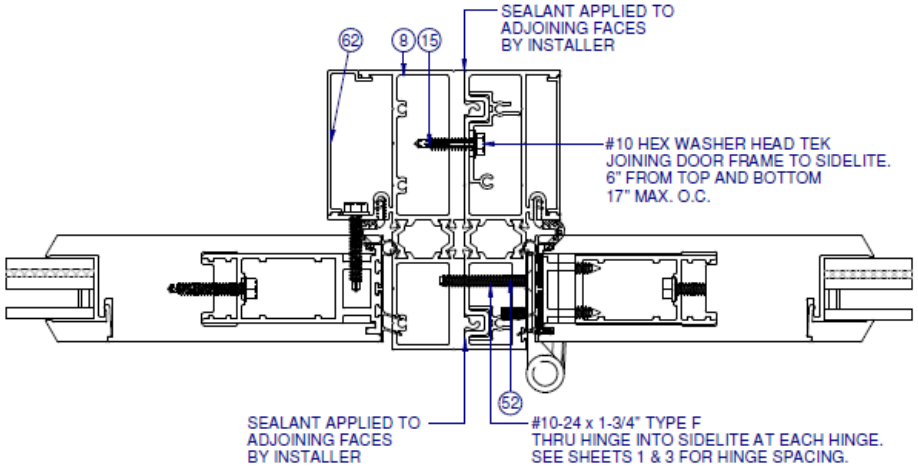
INTERIOR



SECTION VIEW D-D



SECTION VIEW E-E



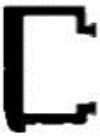
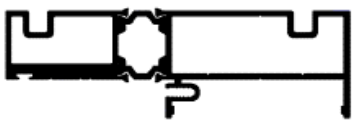
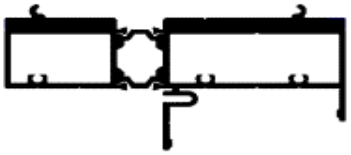
ITEMS NOT SHOWN FOR CLARITY:
10-11, 16, 22, 28, 43, 57

ITEMS NOT USED IN VERSION SHOWN:
1-3, 6-15, 17-18, 20-21, 23-24, 26-27, 30-39, 41, 44-46, 48-52, 54-56, 58-61, 63-71, 74-76

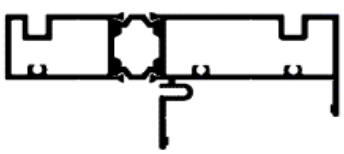
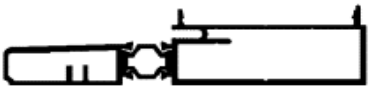
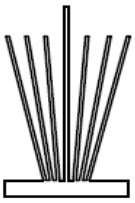
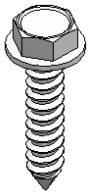
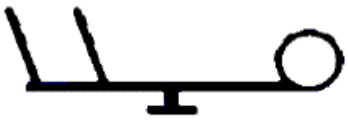
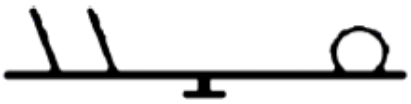
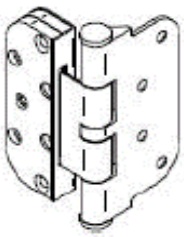
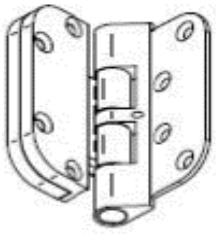
PARTS LIST				
ITEM	PART #	DESCRIPTION	MATERIAL	VENDOR
1	H-1833	MAIN FRAME, HEAD	ALUM	KEYMARK
2	H-1857	ASTRAGAL, INACTIVE, FD, PVC	ALUM	KEYMARK
3	H-1858	ASTRAGAL, ACTIVE, FD, PVC	ALUM	KEYMARK
4	H-1860	REINFORCEMENT, VERT.	ALUM	KEYMARK
5	H-1861	REINFORCEMENT, HORIZ.	ALUM	KEYMARK
6	H-1878	MAIN FRAME, SILL	ALUM	KEYMARK
7	H-1880	MAINFRAME, JAMB	ALUM	KEYMARK
8	H-1881	MAINFRAME, SIDELITE @ DOOR	ALUM	KEYMARK
9	H-1900	MAINFRAME, SIDELITE @ JAMB, HEAD, SILL	ALUM	KEYMARK
10	P-3039	SETTTING BLOCK, 1/8 X 1 X 2		FRANKLOWE
11		SIAKFLEX 552 or PURFECT GLAZE "H"		SIKA - HENKEL
12	P-3503	SCREW #8 X 1/2" PH TRUSS SS @ ASTRAGAL CAP		FASTENAL
13	P-3511	SCREW #8 x 5/8" SQ. PAN TEK @ TIEROD BRKT		FASTENAL
14	P-3587	SCREW #8 X 1", PH FLAT TEK @ ASTRAGAL, INSERT,LOCK		FASTENAL
15	P-3767	SCREW, #10 X 1" HEX HEAD, TEK @ SIDELITE		FASTENAL
16	P-4146	SCREW #8 X 3/4 PHIL, FLAT SS TEK @ SIDELITE SHIM		FASTENAL
17	P-4278	FUZZY PAD, .200" x 1.250" W/ADHESIVE		ULTRAFAB
18	P-4522	#10 x 1 1/4", PH FLAT, SMS - HINGE @ PANEL		FASTENAL
19	P-4774	WSTP, BULB/LEAFS, PANEL		AMESBURY
20	P-4790	FLUSH BOLT, ASSM, TOP/BTM		SULLIVAN
21	P-4794	SCREW #8 x 5/8" SQ.FLAT TEK @ INSERT ATTACH		FASTENAL
22	P-4902	ALL THREADED ROD (TIE ROD)		McMASTER
23	P-4907	HINGE, GUIDE		HOPPE
24	P-4808/P4809	HINGE, SET		HOPPE
25	P-4914	WSTP, .50X.750 FOLDED BULB SEAL, @ SIDELITE		AMESBURY
26	P-4963	LOCK STRIKE PLATE		PADDOCK
27	P-4964	RHINO STRIKE PLATE		PADDOCK
28	P-4966	GUIDE, TIE ROD	NYLON	M&M
29	P-4971	TIE ROD BRACKET	ZINC	SULLIVAN
30	P-4985	SHOOT BOLT, TOP		PADDOCK
31	P-4986	SHOOT BOLT, BOTTOM		PADDOCK
32	P-4951	LOCKBAR, INACTIVE, 8 FT		PADDOCK
32	P-4984	LOCKBAR, MULTI-POINT, 5PT, 8 FT		PADDOCK
32	P-4901	LOCKBAR, MULTI-POINT, 4PT, 6'8 FT		PADDOCK
32	P-4902	LOCKBAR, INACTIVE, 6'8 FT		PADDOCK
33	P-4903	HANDLE SET, ACTIVE		PADDOCK
34	P-4905	HANDLE SET, INACTIVE		PADDOCK
35	P-4913	WSTP, .50X.50 FOLDED BULB SEAL, @ DOOR		SCHELGEL
36	P-4917	CAP, ASTRAGAL, OUTSIDE	NYLON	M&M
37	P-4918	GUIDE, FLUSH BOLT, INACTIVE PNL		M&M
38	P-4922	COVER, INTERIOR, FLUSH BOLT	NYLON	M&M
39	P-4925	CAP, ASTRAGAL, INSIDE	NYLON	M&M
40	P-4926	SHIM, SIDELITE, DOOR SHIPPING BLOCK	NYLON	M&M
41	P-4927	GUIDE, FLUSH BOLT	NYLON	M&M
42	P-4930	SCREW, #10 X 1-1/4" HEX HEAD TEK @ SIDELITE ATTACH		FASTENAL
43	P-4933	NUT, 3/8"-16 FLANGED W/ SERRATED LIP, SS, @ PANEL		McMASTER
44	P-4934	SCREW, #12-24 X 1/2", PH FLAT, MS, @ HINGE		FASTENAL
45	P-4936	DOOR KNOB, ACTIVE PANEL *		DELANY
46	P-4937	DEADBOLT, ACTIVE PANEL *		DELANY
47	P-4969	SCREW, #10 X 2" REINF. ATTACH.		FASTENAL
48	P-4997	STRIKE, DEADBOLT		PADDOCK
49	P-5127	SCREW, #12 X 2", PH PAN, SMS, ANCHOR		FASTENAL
50	P-5130	GASKET, DOOR SILL, FRONT	FOAM	HO PRODUCTS

PARTS LIST				
ITEM	PART #	DESCRIPTION	MATERIAL	VENDOR
51	P-5131	GASKET, DOOR SILL, BACK	FOAM	HO PRODUCTS
52	P-5134	SCREW, #10 X 1-3/4" FLAT SQUARE TYPE F @ HINGE		FASTENAL
53	P-5151	GASKET, SIDELITE	FOAM	HO PRODUCTS
54	P-5157	SCREW #10-24 x 1/2", Fl Undercut PH, 18-8SS @ KEEPER		FASTENAL
55	P-5159	BOTTOM SEAL	RUBBER	TEAM
56	P-5172	WSTP, .370 X .187, TRI FIN, BLACK		ULTRAFAB
57	P-5174	SCREW #8 X 3/4" HEX WASHER HEAD, @ FRAME		FASTENAL
58	P-5186	SCREW #8-32 x 1-1/4" PH,FL MS, SS @ PLUNGER	SS	FASTENAL
59	S-1783	THRESHOLD, HIGH RISE	ALUM	KEYMARK
60	S-1784	INSERT, REINFORCEMENT	ALUM	KEYMARK
61	S-1806	COVER, JAMB, ANCHOR	ALUM	KEYMARK
62	S-1816	COVER, JAMBS, HEAD,SILL, SIDELITE	ALUM	KEYMARK
63	S-1817	DRIP CAP	ALUM	KEYMARK
64	S-1840	COVER, HEAD, ANCHOR	ALUM	KEYMARK
65	S-1849	INSERT, INACTIVE PNL, LOCK HARDWARE		KEYMARK
66	S-1859	COVER, ASTRAGAL, FD	ALUM	KEYMARK
67	S-1864	INSERT, FRONT, BTM ATTACH SILL	ALUM	KEYMARK
68	S-1865	INSERT, BACK, BTM ATTACH SILL	ALUM	KEYMARK
69	S-1915	BASE, SWEEP	ALUM	KEYMARK
70	S-1916	DRIP COVER, SWEEP	ALUM	KEYMARK
71	S-6083	PANEL, TOP/BTM RAIL, SIDES - DOOR	PVC	MIKRON
72	S-6083	PANEL, TOP/BTM RAIL, SIDES - SIDELITE	PVC	MIKRON
73	S-6084	GLAZING BEAD (1")	PVC	MIKRON
74	H-1889	REINFORCEMENT, VERT., SINGLE DOOR	ALUM	KEYMARK
75	GLASS	SEE SHEET 4		
76	H-1862	REINFORCEMENT, VERT.	ALUM	KEYMARK
77	P-4887	MORTISE LOCK		PADDOCK

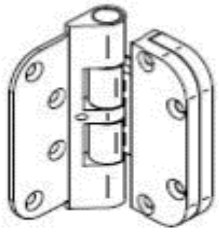
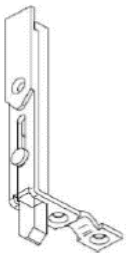
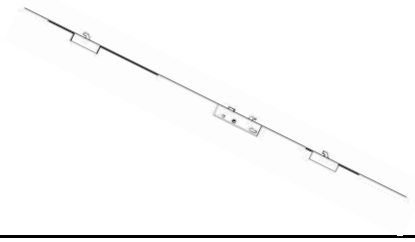
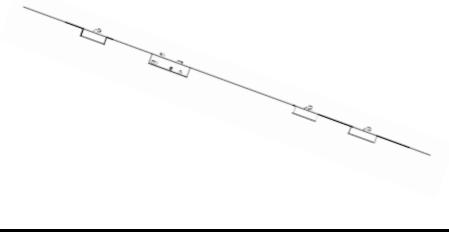
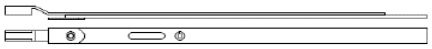
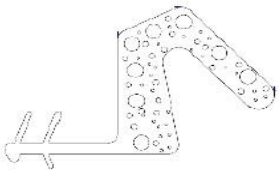
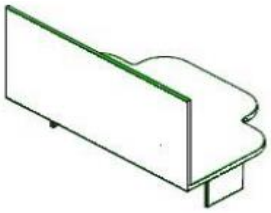
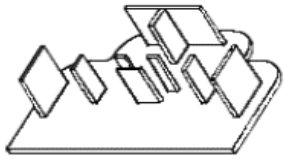
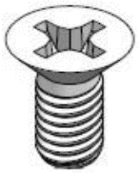
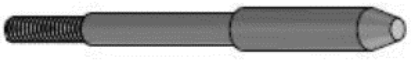
HurricaneShield Out-Swing Doors

1782 - UFAS Threshold	1783 - Threshold, Standard	1784 - Filler w/WSTP Groove
SVC  Kit	SVC  Kit	SVC 
1806 - Jamb Cover	1816 - Sidelite Cover	1817 - Drip Cap
8700 & 8750	8710 only	
SVC  Kit	SVC  Kit	SVC  Kit
1833 - Frame Head	1840 Head Cover	1843 - UFAS Sill Cover
		Goes w/1892, UFAS Sill
SVC 	SVC  Kit	SVC  Kit
1848 - HD Astragal Cover	1849 - Inactive Panel Insert	1859 - Astragal Cover
SVC 	SVC 	SVC 
1880 - Frame Jamb	1881 - Sidelite Male Jamb	1892 - UFAS Sill
	8710 only	
SVC 	SVC 	SVC 

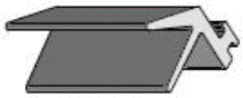
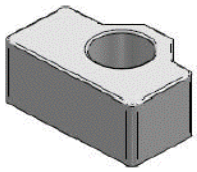
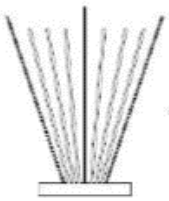
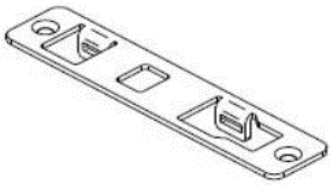
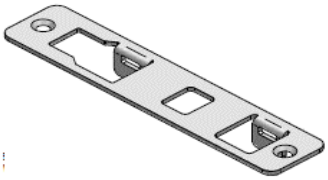
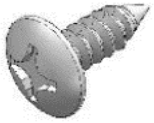
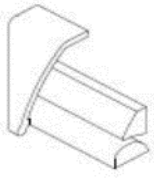
HurricaneShield Out-Swing Doors

1900 - Sidelite Female Jamb	1915 - Bug Sweep	1916 - Bug Sweep Cover
~~SVC~~ 	SVC 	SVC 
1928 - Frame Sill	3302 - WSTP, .330x.187 w/fin	3511 - #8x5/8" Sq PH TEK
~~SVC~~ 	SVC 	SVC 
5174 - #8x3/4 Hex Washer Head Frame Assembly Screw	4930- #10x1 1/4" Hex Washer TEK	4051 - #8x1 1/4" Ph FH TEK
SVC 	SVC 	SVC 
4146 - #8x3/4" Ph FH TEK	4774 - WSTP w/Bulb & Leafs	4774C - WSTP w/Bulb & Leafs
	Head of panel only	Sides & bottom of panels
SVC 	SVC 	SVC 
4790 - Flush Bolt Assy.	4807 - Hinge Guide, Hor. Adjust	4808 - Hinge LH, Vert . Adjust
Goes w/non-multi-point hardware	Top and Bottom hinge locacions	All middle hinge locations
SVC 	SVC 	SVC 

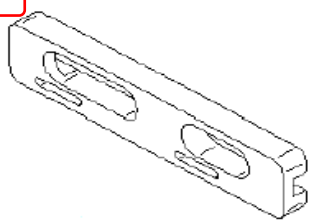
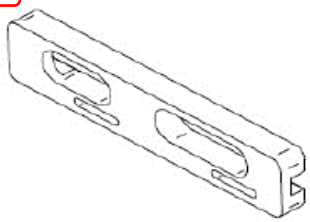
HurricaneShield Out-Swing Doors

4809 - Hinge RH, Vert. Adjust	4885 - Top Shoot Bolt	4886 - Bottom Shoot Bolt
All middle hinge locations		
SVC 	SVC 	SVC 
4901 - 3 Point Active Lock	4902 - 4 Point Lock	4909 - Lock Bar Extension
Used on =/<80" Doors		
SVC 	SVC 	SVC 
4913 - WSTP, Folded Seal	4917 Inactive PanelAstragal Cap	4922 Flush Bolt Cover
	Goes on interior side, top/bottom	Goes w/4790 Flush Bolt Assy.
SVC 	SVC 	SVC 
4925 - Active Panel Astragal Cap	4931 - 9 1/4" Flush Bolt	4934 - #12-24x3/4 Ph FH
Goes on exterior side, top/bottom		Hinge screw
SVC 	SVC 	SVC 
5128 - 5" Flush Bolt		
SVC 		

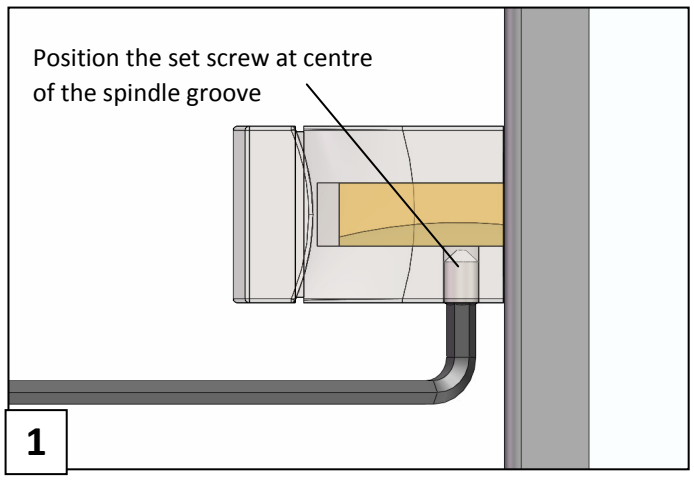
HurricaneShield Out-Swing Doors

5155 - Shoot/Flush Bolt Bracket	5157 - #10-24x1/2" Ph FH	5158 - Drip Flap
Goes in head of french door frame	Strike plate screw	Goes in 1915 Bug Sweep
SVC 	SVC 	SVC 
5159 - Flush Bolt Guide	5172B- WSTP, .370x.187 Tri-Fin	5173 - FD Sill Strike Plate, RH
SVC 	SVC 	SVC 
5174 - #8x3/4" Hex Head SMS	5188 - FD Sill Strike Plate, LH	5189 - Main Strike Latch, RH
SVC 	SVC 	SVC 
5190 - Main Strike Latch, LH	5191 - Strike for Multi-Point	5219 - #12-24x1 3/4 Ph FH
		Side Lite attachment
SVC 	SVC 	SVC 
5220 - #8x1 1/2 Ph FH TEK	5221 - #8x1/2" Ph Truss Head	5242-43 - End Cap
		Goes w/1916, Bug Sweep
SVC 	SVC 	SVC 

HurricaneShield Out-Swing Doors

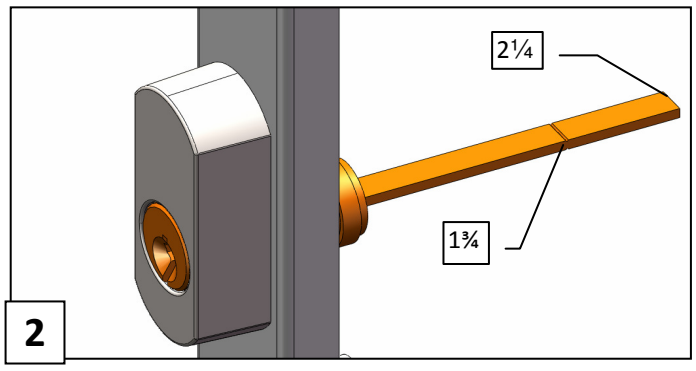
5332 - Sill Strike Spacer Insert, LH	5333 - Sill Strike Spacer Insert, RH	6083 - Panel Frame
SVC 	SVC 	SVC 
6084 - Glazing Bead		
SVC 		

INSTALLATION LEFT OR RIGHT HAND TRIM - Set for Active Door (Left Hand Shown)



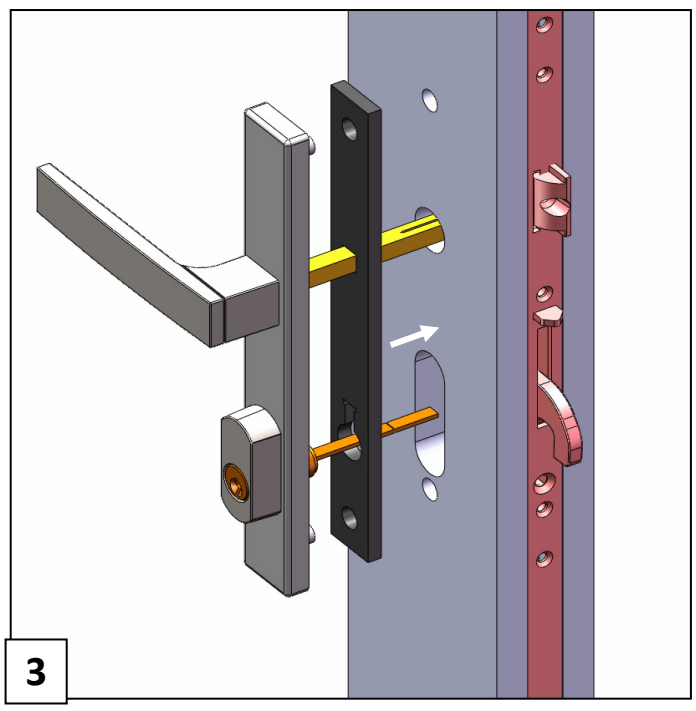
1

Insert the spindle into the square hole of the exterior handle and tighten the set screw with the allen key provided. Ensure spindle groove is aligned with set screw



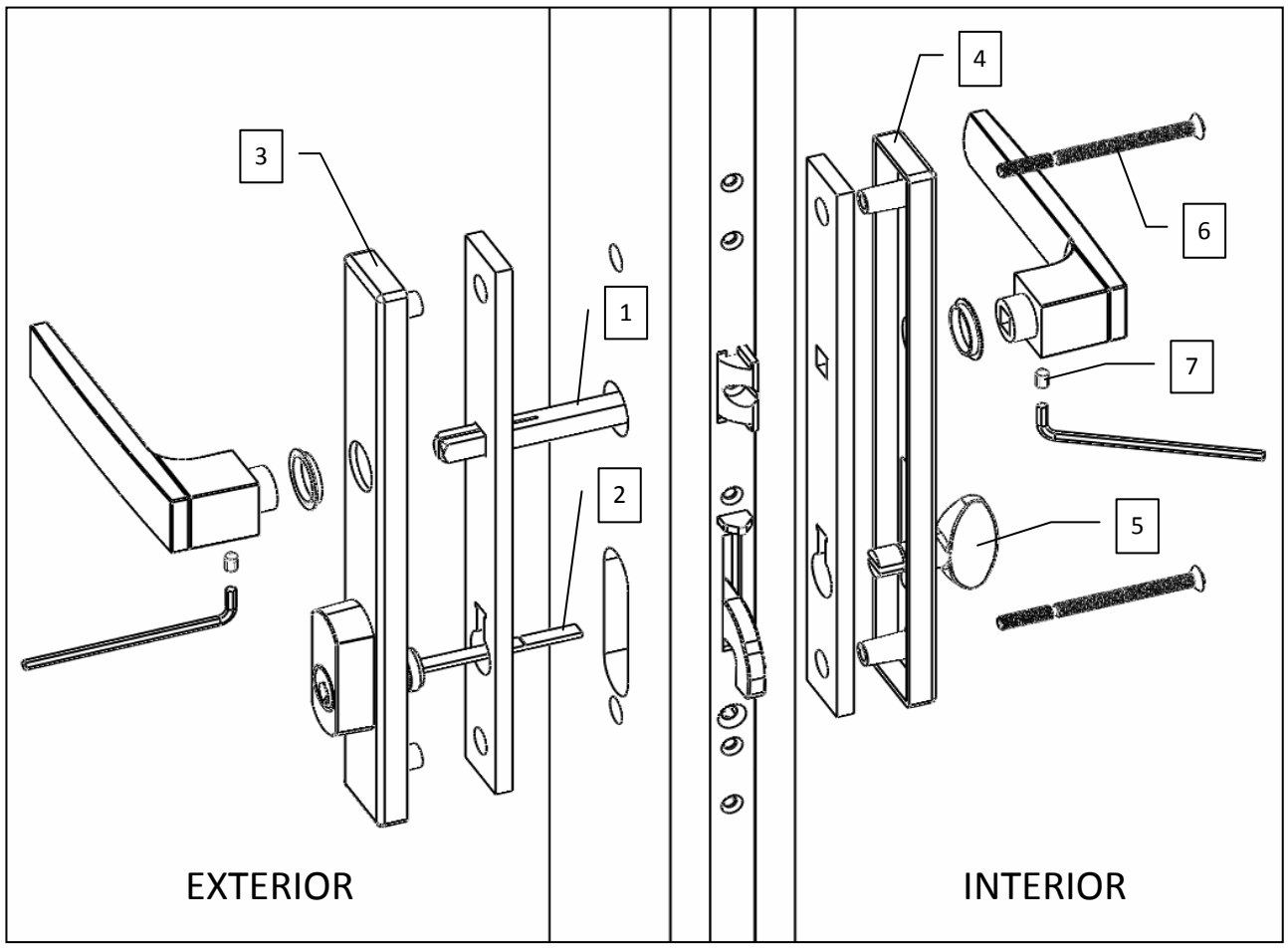
2

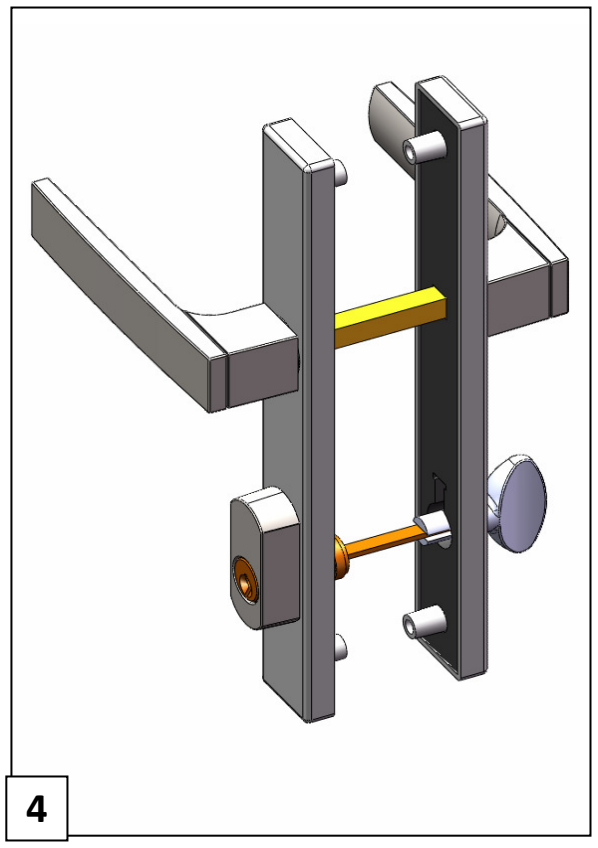
Cut the cylinder tail according to the door thicknesses



3

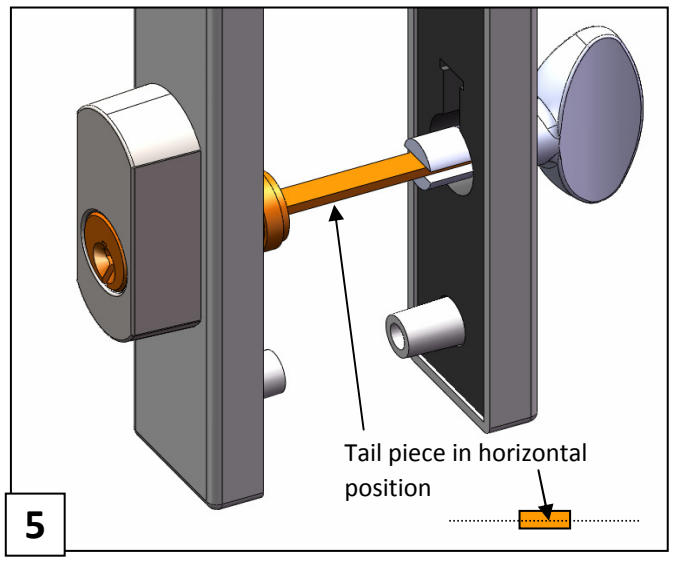
Position the exterior handle assembly into the holes and push the spindle and the cylinder tail through the door bolt. Ensure the tail piece is inserted in the horizontal position





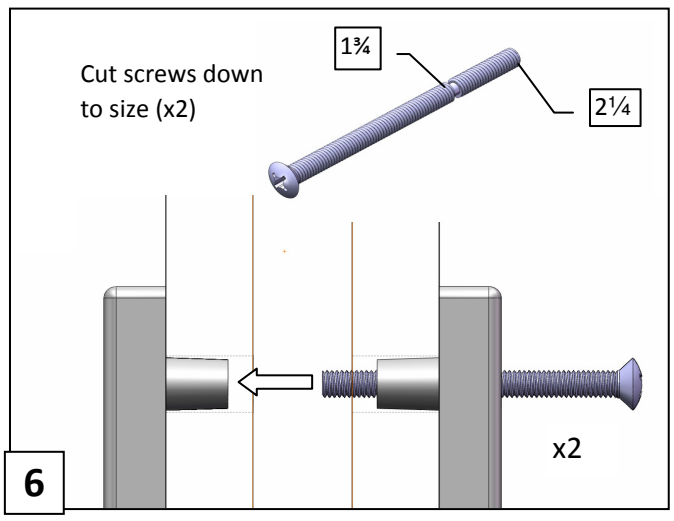
4

Align internal handle with spindle and tail-piece (door not illustrated)



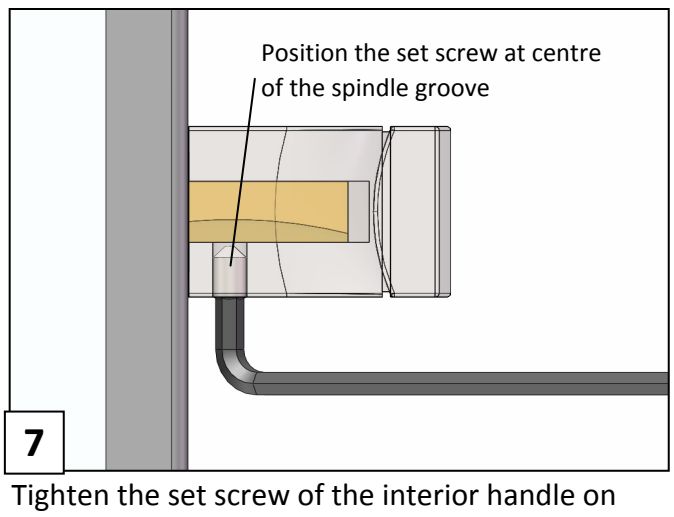
5

Place the cylinder tail into the knob slot, set in the horizontal position (door not illustrated)



6

Cut down the 2 screws where applicable according to door thicknesses. Fasten assembly



7

Tighten the set screw of the interior handle on the spindle with the allen key. Push both int/ext handle set tightly together

TROUBLESHOOTING

1. BOLT IS DIFFICULT TO LOCK

The cylinder tail-piece may be too long and be heavily compressed against the interior knob. Gradually file down the excess length in order to relieve the pressure

2. HANDLE IS DIFFICULT TO OPERATE UP & DOWN

Some tension is required to activate the mechanism, however heavy force should not be required.

> Gradually loosen the installation screws ¼ turn at a time

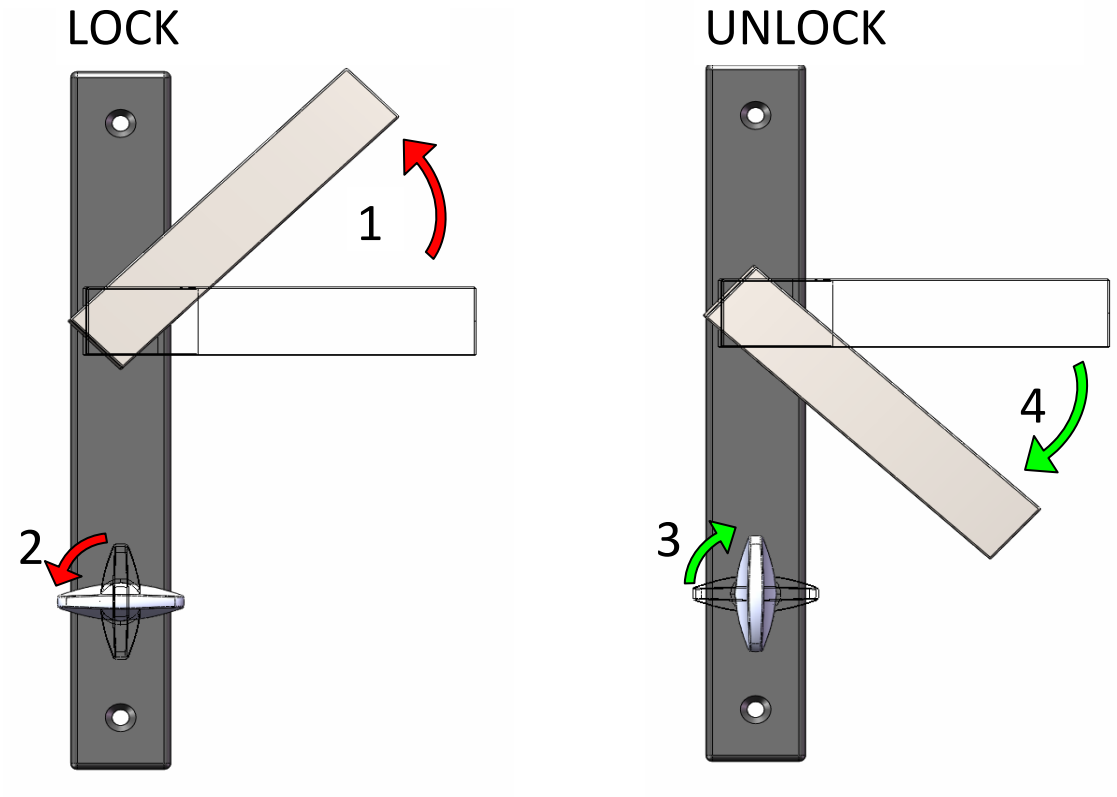
> On one of the handles re-adjust the handle by unscrewing the set screw

3. PLATES FEEL LOOSE AGAINST THE DOOR ONCE FASTENED

Installation screws are probably too long. Gradually file down the excess length in order to establish a tight fit against the door

Paddock™
Innovators in hardware

OPERATION OF THE MULTIPOINT LOCKING SYSTEM - 90° Lock / Unlock feature



1. Lift the handle to engage all the locking points

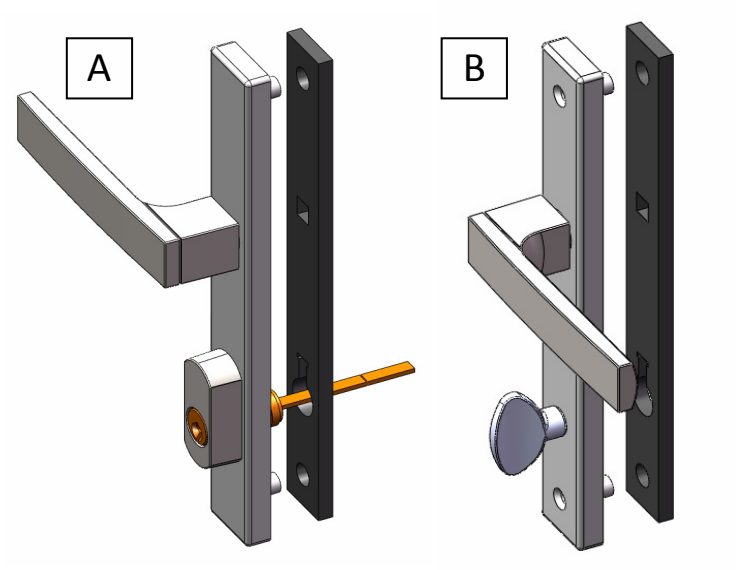
2. Turn the knob anti-clockwise to lock the cylinder. (Clockwise for opposite hand)

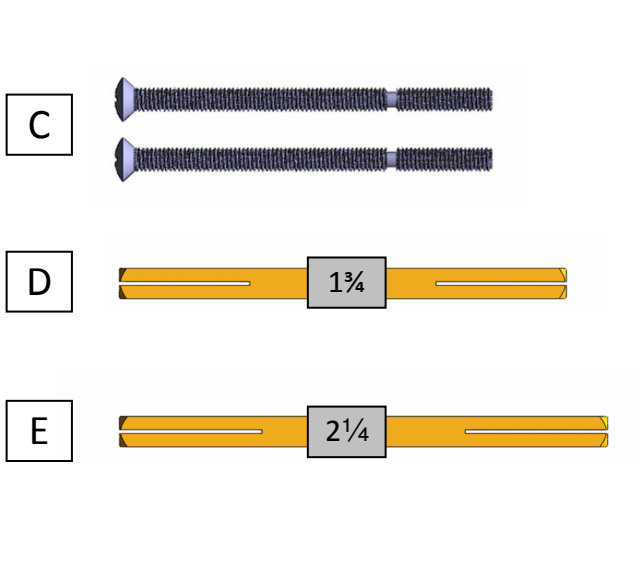
3. Turn the knob clockwise to unlock the cylinder. (Anti-clockwise for opposite hand)

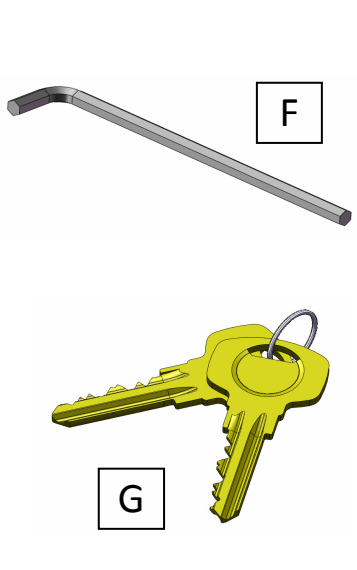
4. Drop the handle to disengage all the locking points

HANDLE SET TYPES

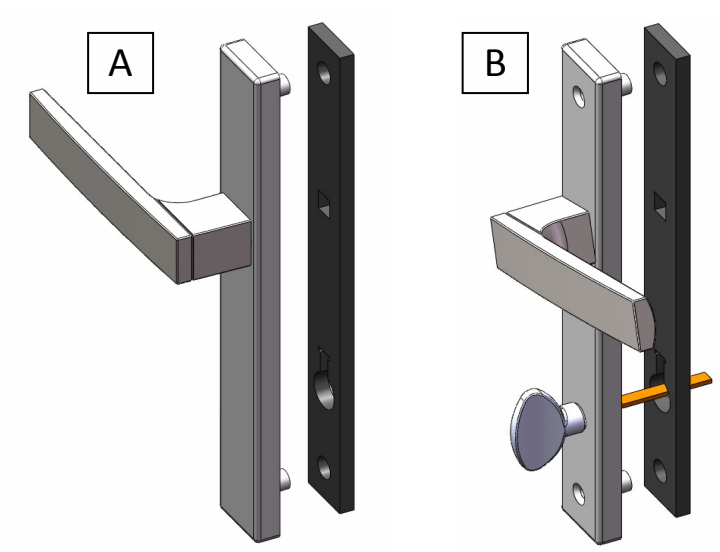
ACTIVE

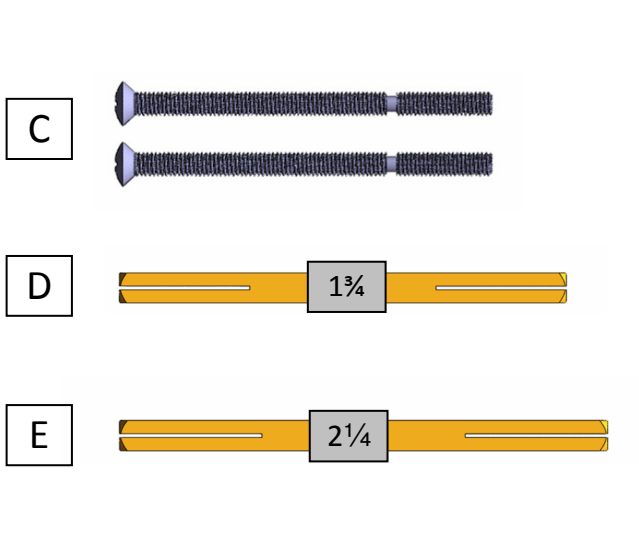


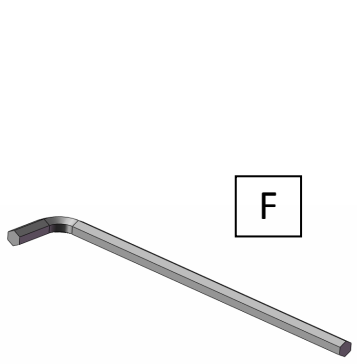




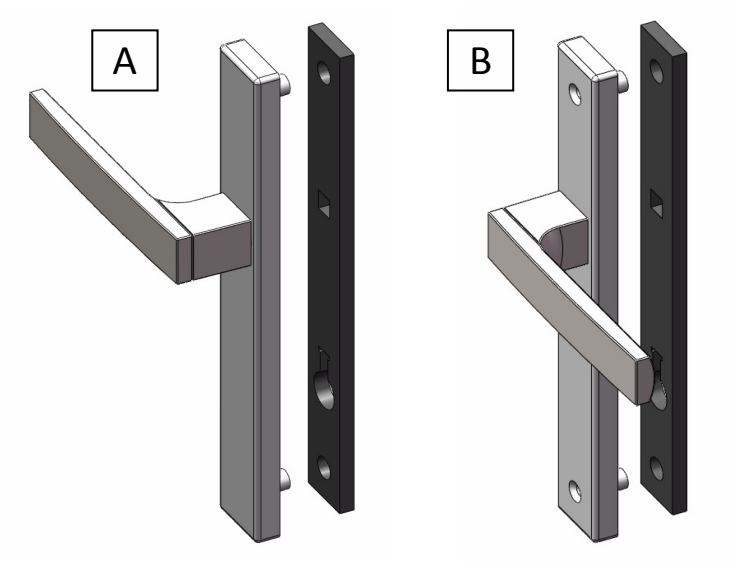
INACTIVE

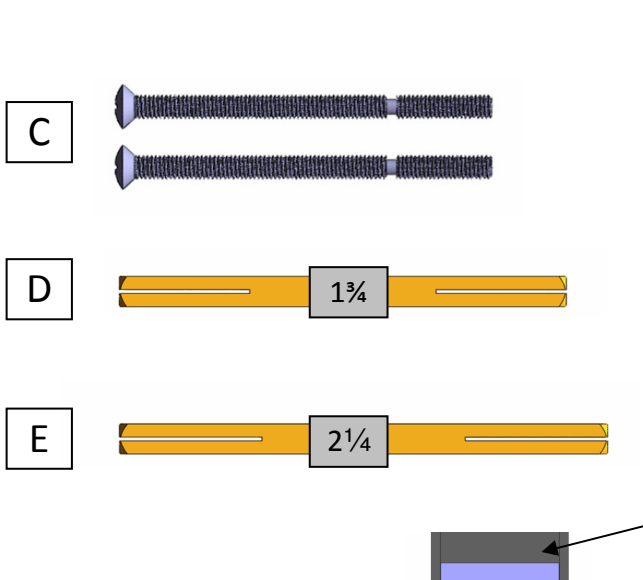


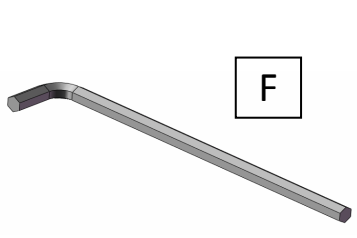


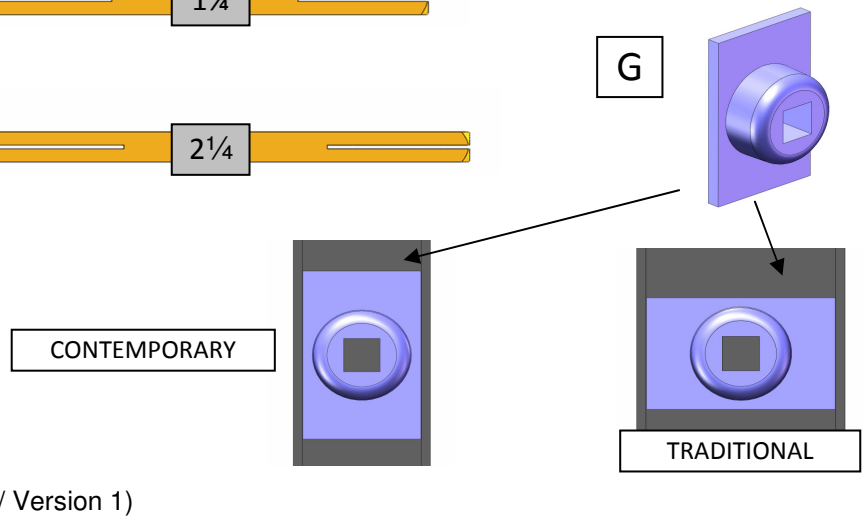


DUMMY









Paddock™
Innovators in hardware

MULTI-POINT DOOR HANDLE OPERATION TECHNICAL BULLETIN

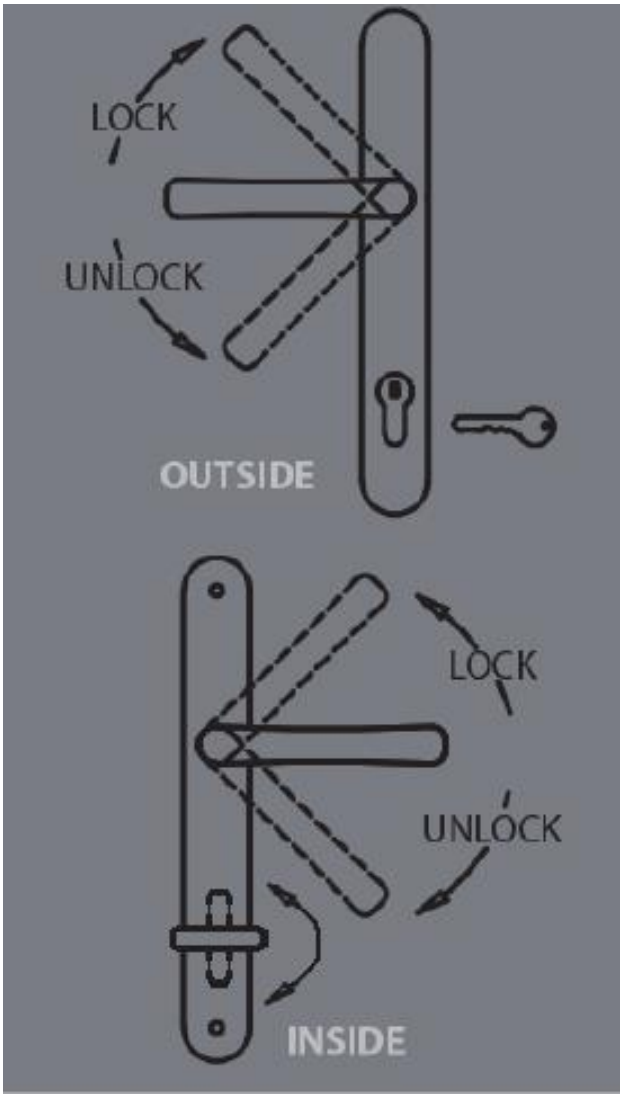
1/13/2016

Stripped thumb turns/cams are result of improper use or adjustment of the product and are not a manufacturer's defect, and therefore are not considered a warrantable item.

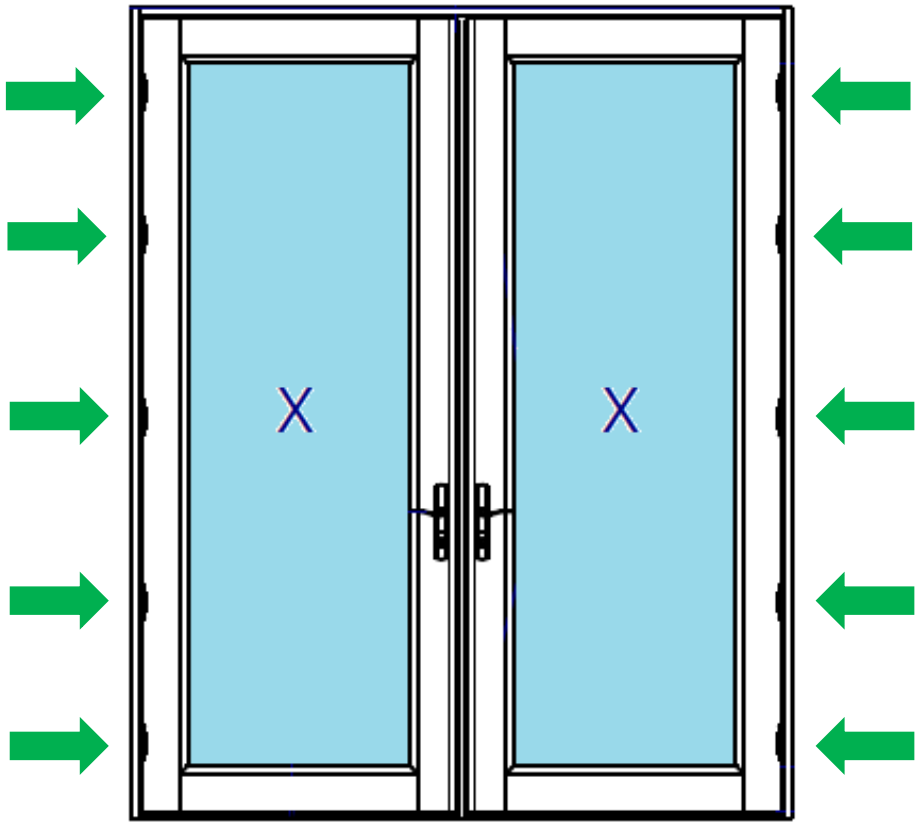
Below are operating instructions for the correct use of the multi-point lock/handle.

TO LOCK FROM INSIDE OR OUTSIDE
1. Close the door and Engage Latch.
2. Lift the lever up to throw the hooks and bolts to the locked position.
3. Turn the key or thumb turn to deadlock.

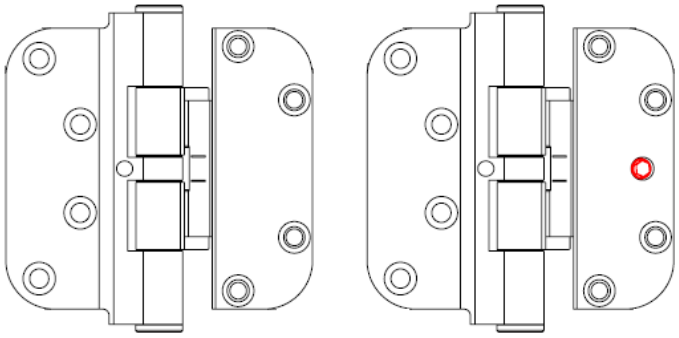
TO UNLOCK FROM INSIDE OR OUTSIDE
1. Turn the key or thumb turn to unlock deadbolt.
2. Push lever down to disengage the hooks, bolts and latch.
3. Open the door.



GUIDE TO FRENCH DOOR HINGE ADJUSTMENT

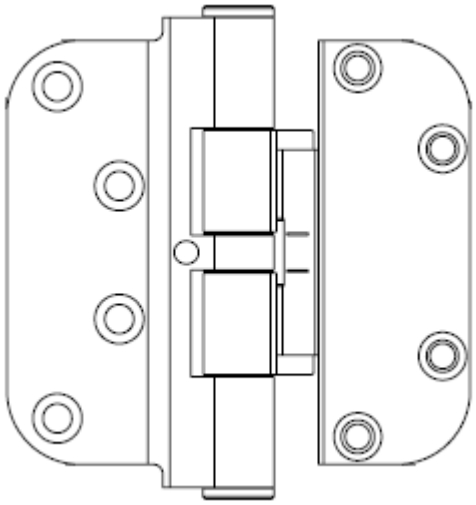


Understanding the process for adjusting French Door panels using the Hoppe Adjustable hinges is an important part of product installation and troubleshooting of issues.

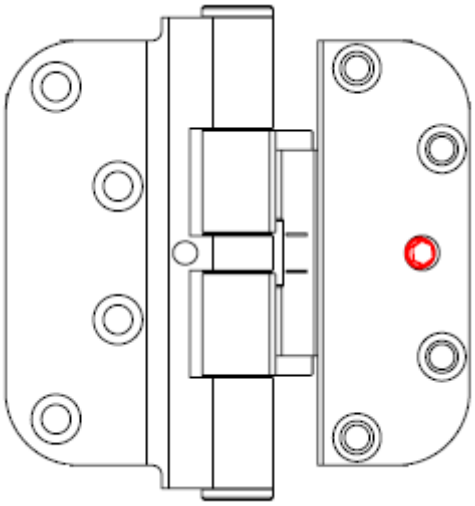




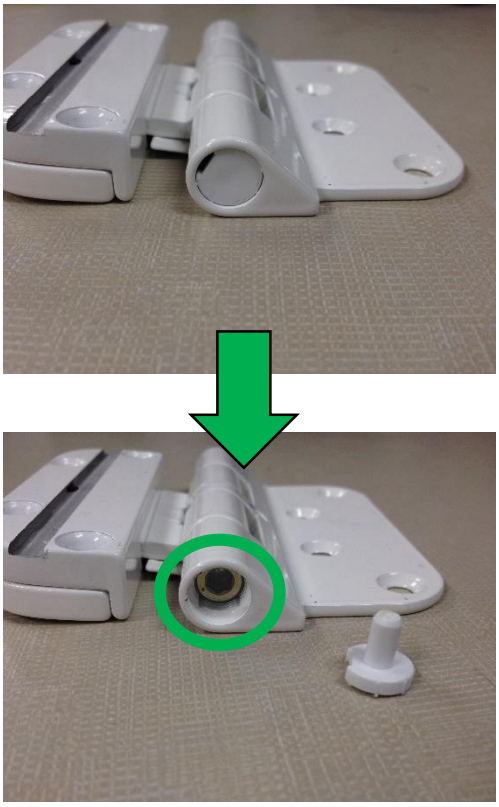
Two types of Hinges are used. “Guide Hinges” that allow horizontal adjustment to the panel, and “Set Hinges” that allow vertical adjustment. Both hinges allow for 1/8” travel.



Set

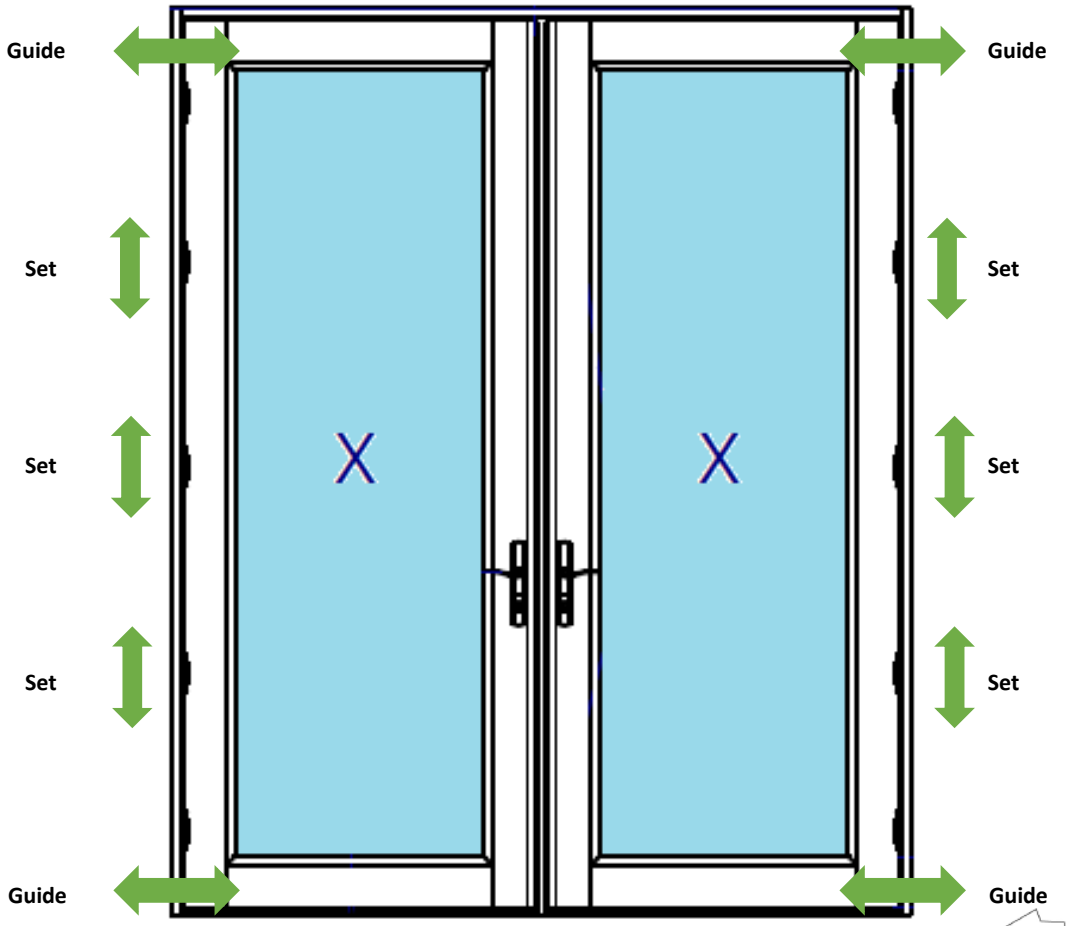


Guide



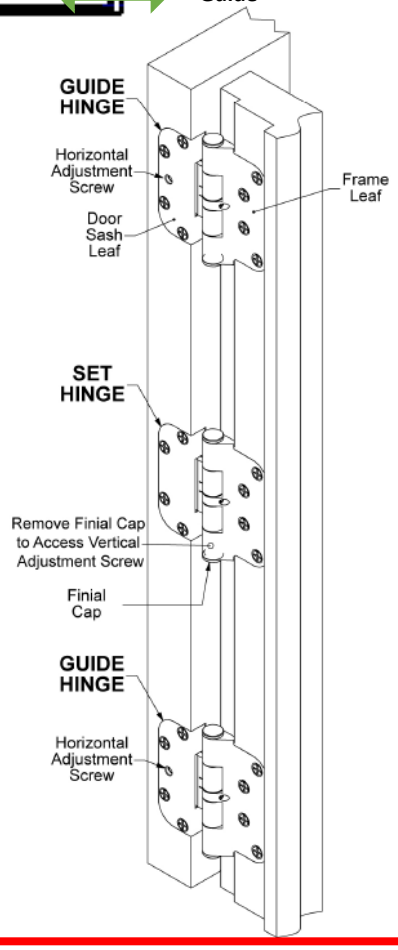


Both hinge types are adjusted with a 3/16″ hex head wrench. The guide hinge has a visible adjustment screw, while the set hinge will require removal of the bottom finial cap.



The figure above shows the movement that adjusting each hinge will produce on the panels. "Guide Hinges" at the top and bottom of the panels provide up to 1/8" HORIZONTAL movement, while the "Set Hinges" between will provide 1/8" VERTICAL Movement.

The figure to the right shows proper hinge orientation after installation, as well as components involved in adjustment process.



THINGS TO REMEMBER

- **Hinges require a 3/16" Hex Head wrench to adjust.**

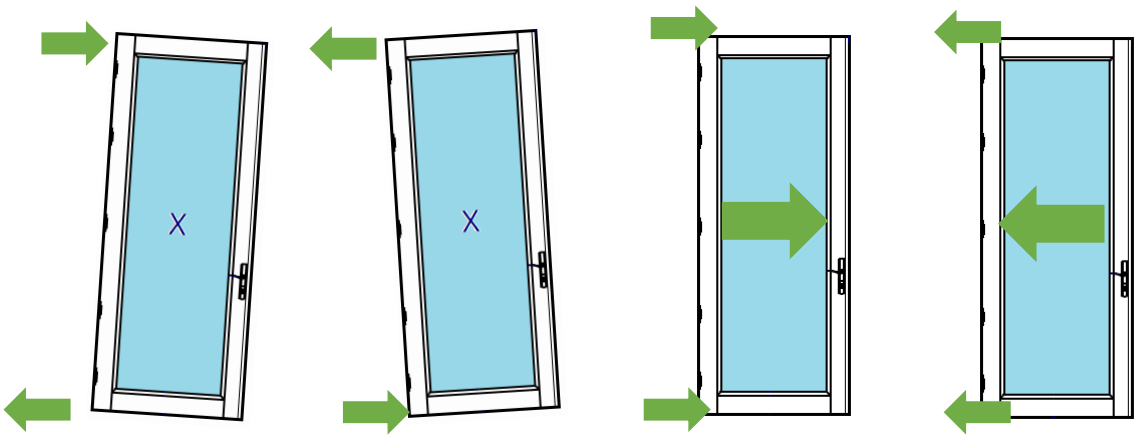
- **For "Set Hinges" featuring an inset plastic finial cap, a small flat headed screw driver is recommended for removal. For hinges featuring a brass finial cap, a putty knife is recommended.**

- **When adjusting the "Set Hinges", Tightening the hex screw will RAISE the panel, and Loosening the screw will LOWER the panel.**

- **When adjusting "Guide Hinges", turn screw Clockwise to move panel TOWARDS jamb, and counterclockwise to move panel AWAY from jamb.**

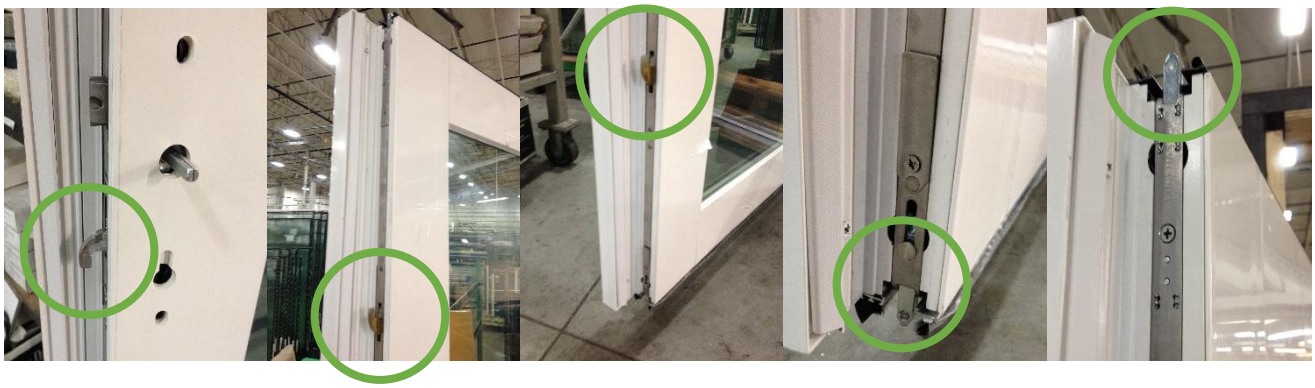
- **When raising or lowering panel using "Set Hinges" always relieve load pressure before adjusting, and be sure to adjust all "Set Hinges" on the panel together. Do not, for instance, attempt to raise a panel using ONLY one set hinge, ALTERNATE between the hinges (whether 2 or 3 Set Hinge configuration) to ensure all are adjusted in unison.**

- **Understand how each hinge adjustment will affect the panel PRIOR to attempting to adjust.**



TIPS AND TROUBLESHOOTING

After hanging panel, with panel in the OPEN position, operate handles and locks to check for proper operation before attempting to close and lock panels.



If there is difficulty getting the door to close and lock properly, look at the Sill Strike Plate for clues.

Wear marks caused by the shoot bolt coming into contact with the strike plate will indicate improper alignment.



This shoot bolt is hitting on the left side of the hole, indicating that the lower "Guide Hinge" should be adjusted AWAY from Jamb.

This shoot bolt is hitting on the exterior of the hole, indicating the panel is not set far enough in, this will require adjusting the keeper on the Inactive panel to hold tighter to the Active panel.



Keeper Located on Inactive Panel and Single Door Jamb

Loosening the screws will allow for horizontal adjustment of the keeper, allowing for a closer, or looser hold on the panel.

TIPS AND TROUBLESHOOTING

- **If thumb turn will not fully engage when locking DO NOT force it, this will result in the stripping of the thumb turn mechanism.**

- **If panels are closed and locks appear to be fully engaged, but the thumb turn will not fully engage, the locks are not fully engaged. Open the panel, throw the locks and test the thumb turn. If thumb turn engages properly, investigate as to why locks are not fully engaging when panel is closed.**

- **If thumb turn will not engage unless a constant upward pressure is applied to the handle, and will not UNLOCK unless the same pressure is applied, it may indicate too much pressure being held on the lock bar. This will require the height of the panels to be adjusted using the "Set Hinges". (Most usually the raising of the Active Panel)**

- **If bottom shoot bolt is not striking the strike plate, and it's travel unhindered, but the lock bar will still not fully engage, pay attention to the movement of the panel while attempting to throw locks. If when applying upward pressure to the handle, a small upward movement is noticed in the panel, the height of the panel may need adjusting using the "Set Hinges". The hooks may not have enough clearance to fully engage, causing the Active panel to "lift" slightly while attempting to throw locks.**

MM