

# PREVOST

## Instruction Sheet

## IS-20089

### LAVATORY COMPARTMENT SLIDING DOOR LATCH IMPROVEMENT

H3 Series since 7-0671

First Release

September 2021

#### MATERIAL

Kit #403268 includes the following parts:

Part No.	Description	Qty
402204	PLATE, PASSENGER SIDE	1
402205	PLATE, LAVATORY SIDE	1
402206	SHIM, LOCK MECHANISM LAVATORY SIDE	1
402207	SHIM, LOCK MECHANISM PASSENGER SIDE	1
402208	BUSHING	1
402209	BUTTON, LOCK	1
402210	LOCK	1
402212	THUMB BUTTON, PASSENGER SIDE	1
402213	THUMB BUTTON, LAVATORY SIDE	1
402215	PLATE, STRIKER	1
402216	DAMPER, VIBRATION - RUBBER	1
402233	SHIM	2
402234	MOLDING	1
402862	SPRING	1
403270	ARROW DECAL, PASSENGER & LAVATORY SIDE	2
403471	DECAL, LAVATORY SIDE	1
403472	ARROW DECAL, LAVATORY SIDE	1



403710	ARROW DECAL, PASSENGER SIDE		1
500333	SCREW, MA OV PH SS NSS M4-0.7X10		12
500416	SCREW, HANDLE		4
500591	SPACER WASHER, THUMB BUTTON FL Z050 4.3X9X.8 (M4,#8)		1
502506	THREADED PIN, THUMB BUTTON		1
502725	SCREW, BUSHING		1
502799	SCREW, STRIKER MOUNTING		2
509957	BALL PLUNGER 1/4X17/32		1
901891	HANDLE		2
901892	LOCK MECHANISM		1
901893	STRIKER		1
5000109	SCREW, TP OV PH N050 #10X5/8		6
5000110	SCREW, MA OV PH SS M4-0.7X8		1
5000111	SCREW, MACHINE OV PH SS M4-0.7X22		2
5000112	WASHER, FL NYL .380X.812X.030 (M9,3/8)		1
5001243	SCREW, TP PAN PH SS #10X5/8E		6
IS-20089	INSTRUCTION SHEET		1
FI-20089	FEUILLE D'INSTRUCTION		1

Other required parts:

Part No.	Description	Qty
403269	Drilling & cutting template	1 per fleet
408213	DECAL, CLOSE DOOR English/Spanish 	1
408212	DECAL, CLOSE English/French 	1

**NOTE**

Material can be obtained through regular channels.

## PROCEDURE



### **DANGER**

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

Lock out & Tag out (LOTO) must be performed during set-up, maintenance or repair activities. Refer to your local procedure for detailed information regarding the control of hazardous energy.

# PREVOST

## DRILLING & CUTTING TEMPLATE PREPARATION

1. Assemble the drilling & cutting template as shown in Figure 1.

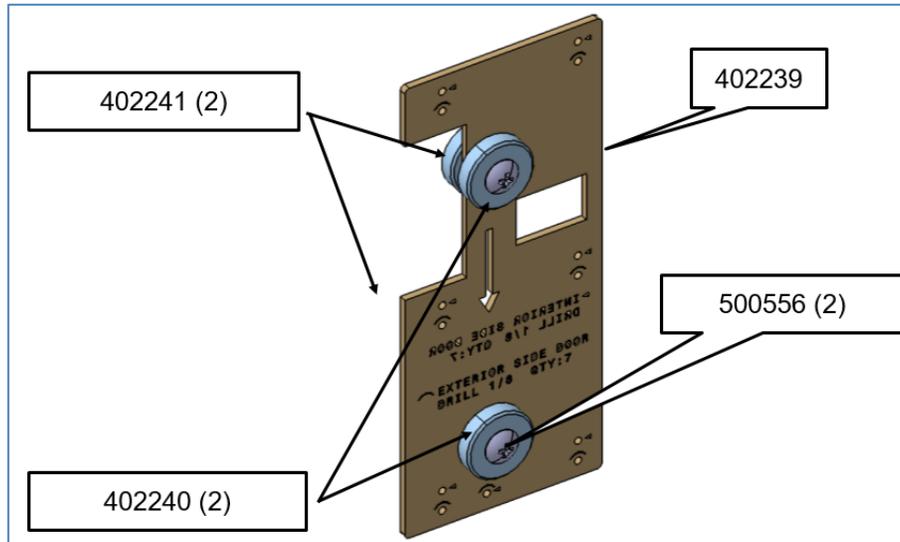


FIGURE 1

## PREPARATION

2. Open the sliding door. Remove the strike plate mounted on the wall.
3. Discard the striker plate. Keep the mounting screws for reuse.

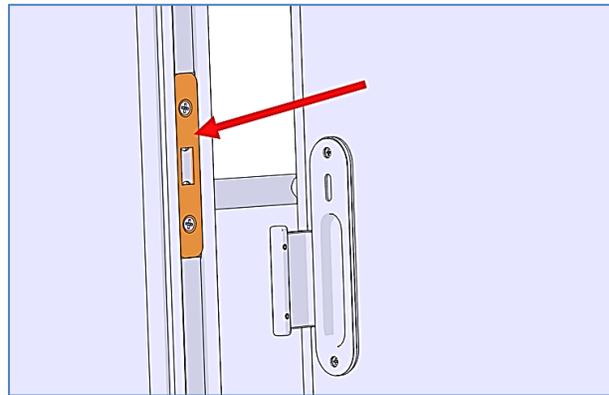


FIGURE 2

4. Discard the piece of rubber.

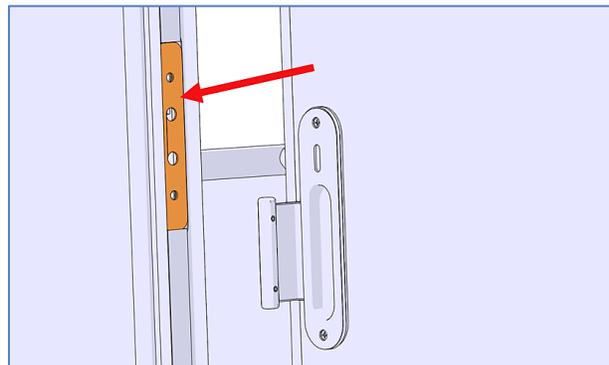


FIGURE 3

5. Removal completed.

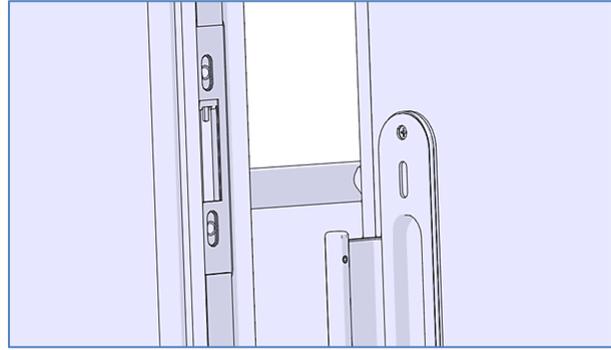


FIGURE 4

6. Remove the vibration damper shown.
7. Discard the rubber piece.
8. **Keep the steel plate and hardware for reuse.**

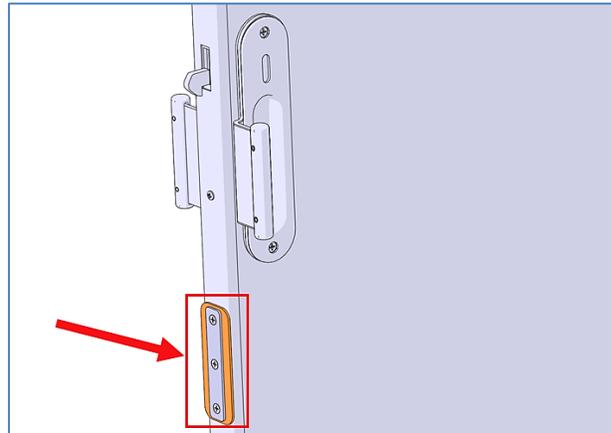


FIGURE 5

9. Remove and discard the existing handle/latch assembly, spacers, etc.

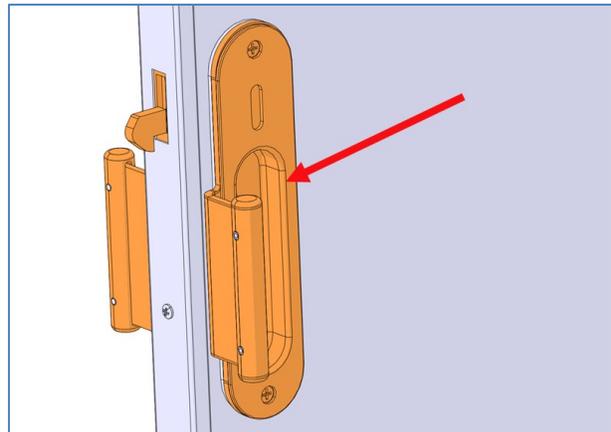


FIGURE 6

10. Remove and discard the existing MOLDING.

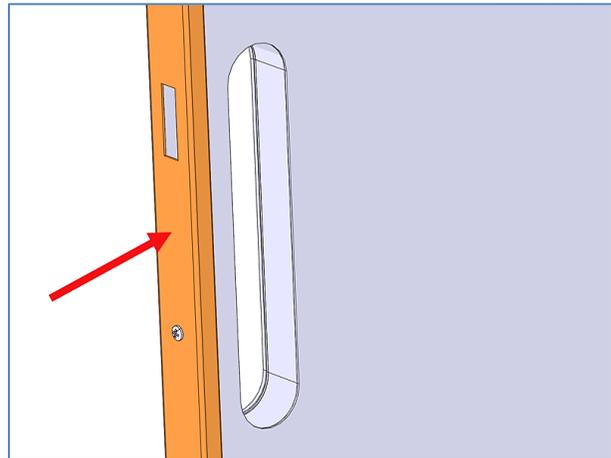


FIGURE 7

11. Removal completed.

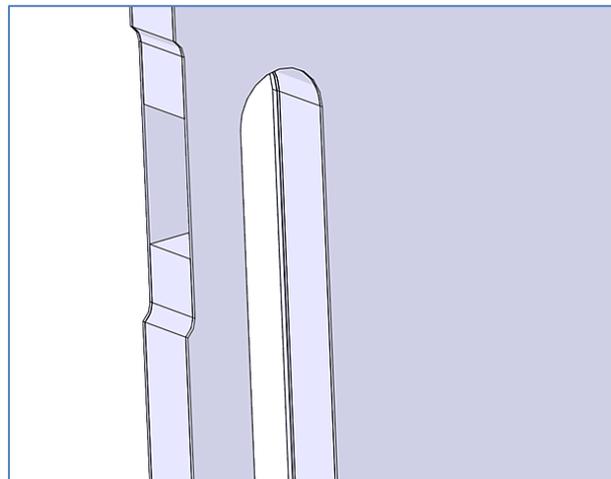


FIGURE 8

12. Remove the cover shown. Keep for reuse.

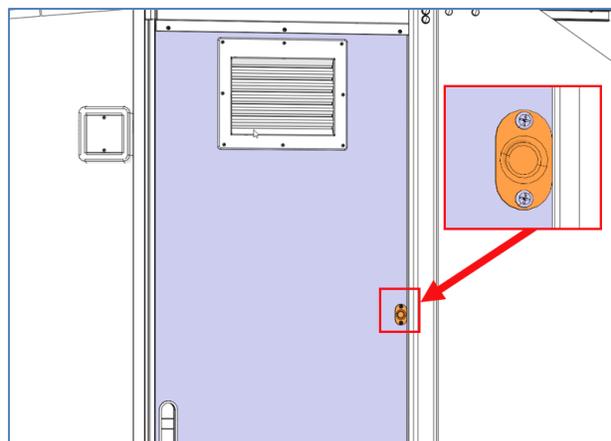


FIGURE 9

13. Unscrew and discard the rubber cylinder.

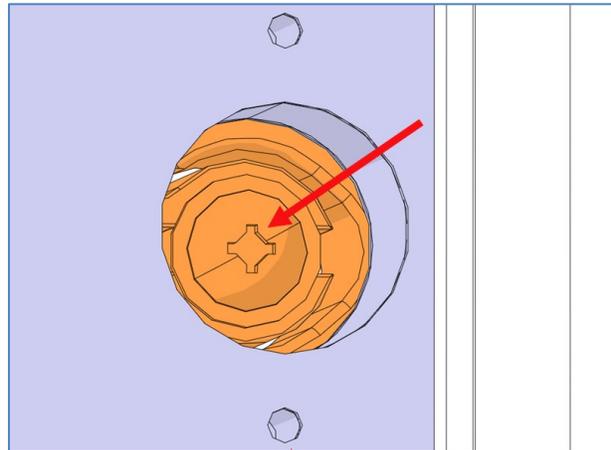


FIGURE 10

14. Using a tool like the one shown below, cut the internal round plastic piece where shown on the image.

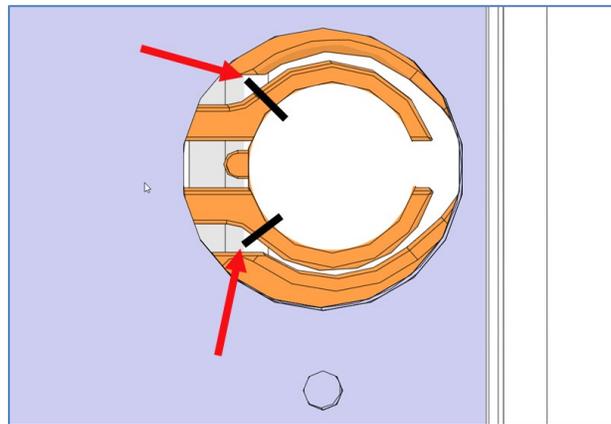


FIGURE 11

15. Remove and discard the trimmed plastic pieces.

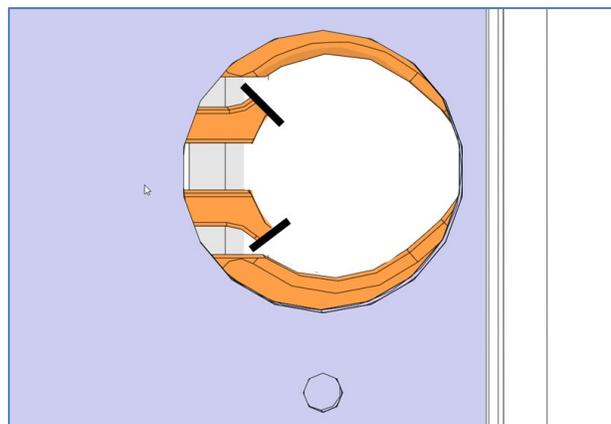


FIGURE 12

16. Reinstall the cover.

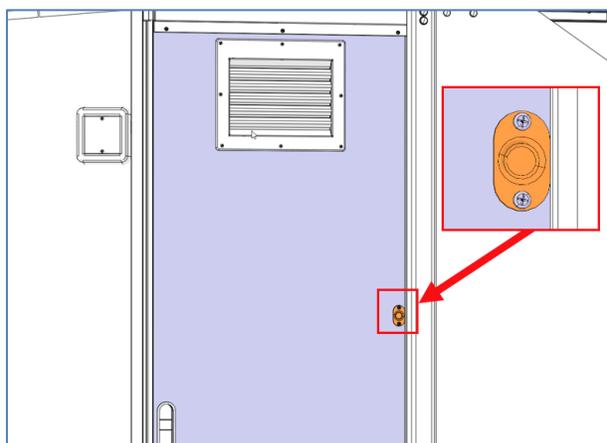


FIGURE 13

**DOOR PREPARATION WITH DRILLING & CUTTING TEMPLATE  
EXTERIOR SIDE (PASSENGER SIDE)**

17. Place the drilling & cutting template, arrow down, on the exterior side of the lavatory door.

18. Slide the template downwards.



FIGURE 14

19. Trace the two patterns on the door as indicated on the image.

20. Drill seven 1/8 holes identified with the following symbol  on the drilling & cutting template.

TRACE THESE TWO PATTERNS ON THE DOOR SURFACE

IDENTIFIES THE DRILLINGS TO BE MADE ON THE EXTERIOR SIDE (PASSENGER SIDE)

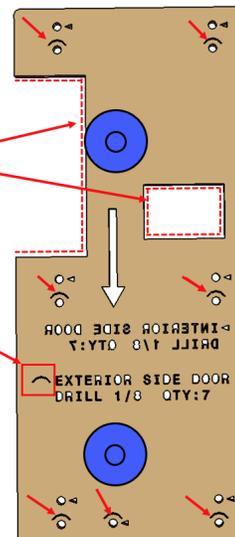


FIGURE 15

## DOOR PREPARATION WITH DRILLING & CUTTING TEMPLATE INTERIOR SIDE (LAVATORY SIDE)

21. Place the drilling & cutting template, arrow down, on the interior side of the lavatory door.

22. Slide the template downwards.

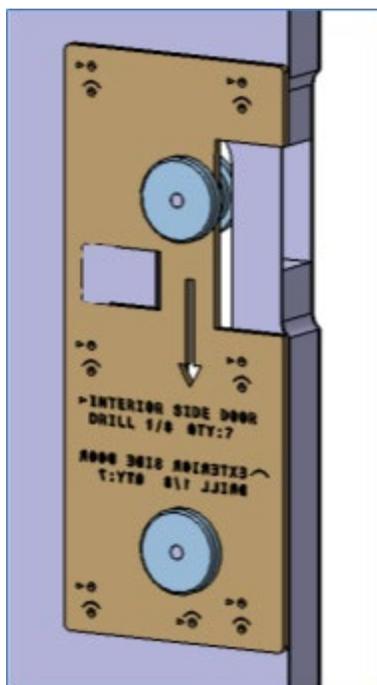


FIGURE 16

23. Drill seven 1/8 holes identified with the following symbol  on the drilling & cutting template.

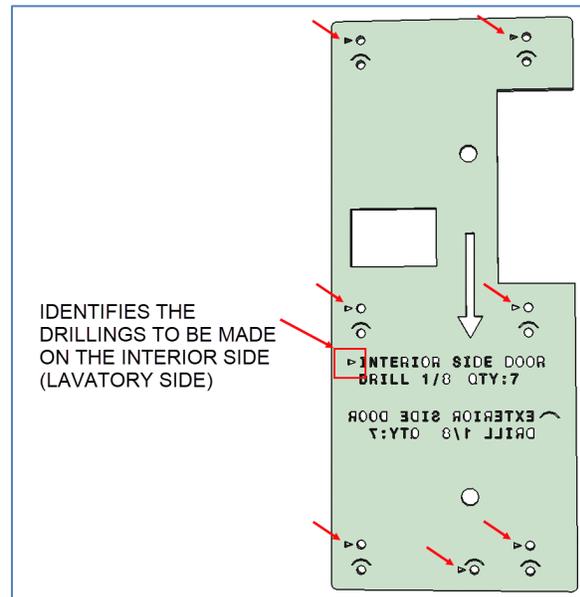


FIGURE 17

## CUTTING OUT PATTERNS

24. Cut out the previously traced cutting patterns.



FIGURE 18

25. Door with cutting patterns completed.

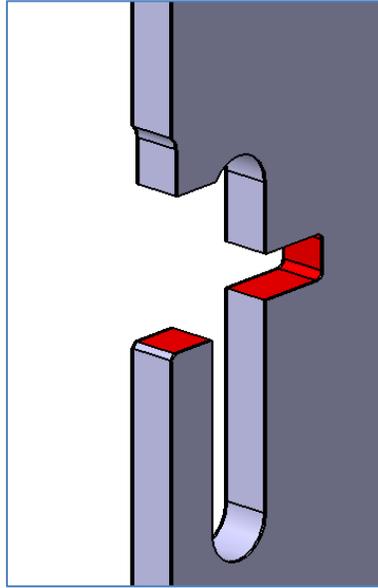


FIGURE 19

26. Enlarge the identified drilling on both sides of the door as per the dimensions on the image. These holes will allow space for the handle lower screw head.



FIGURE 20

## LATCH PRE-ASSEMBLY

24. Proceed to the following assemblies.

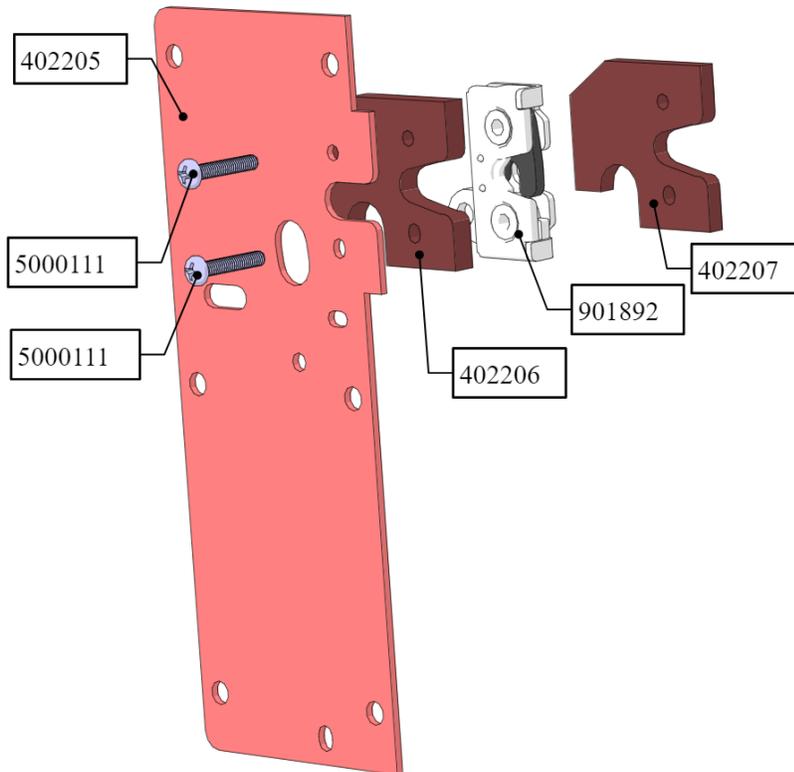


FIGURE 21

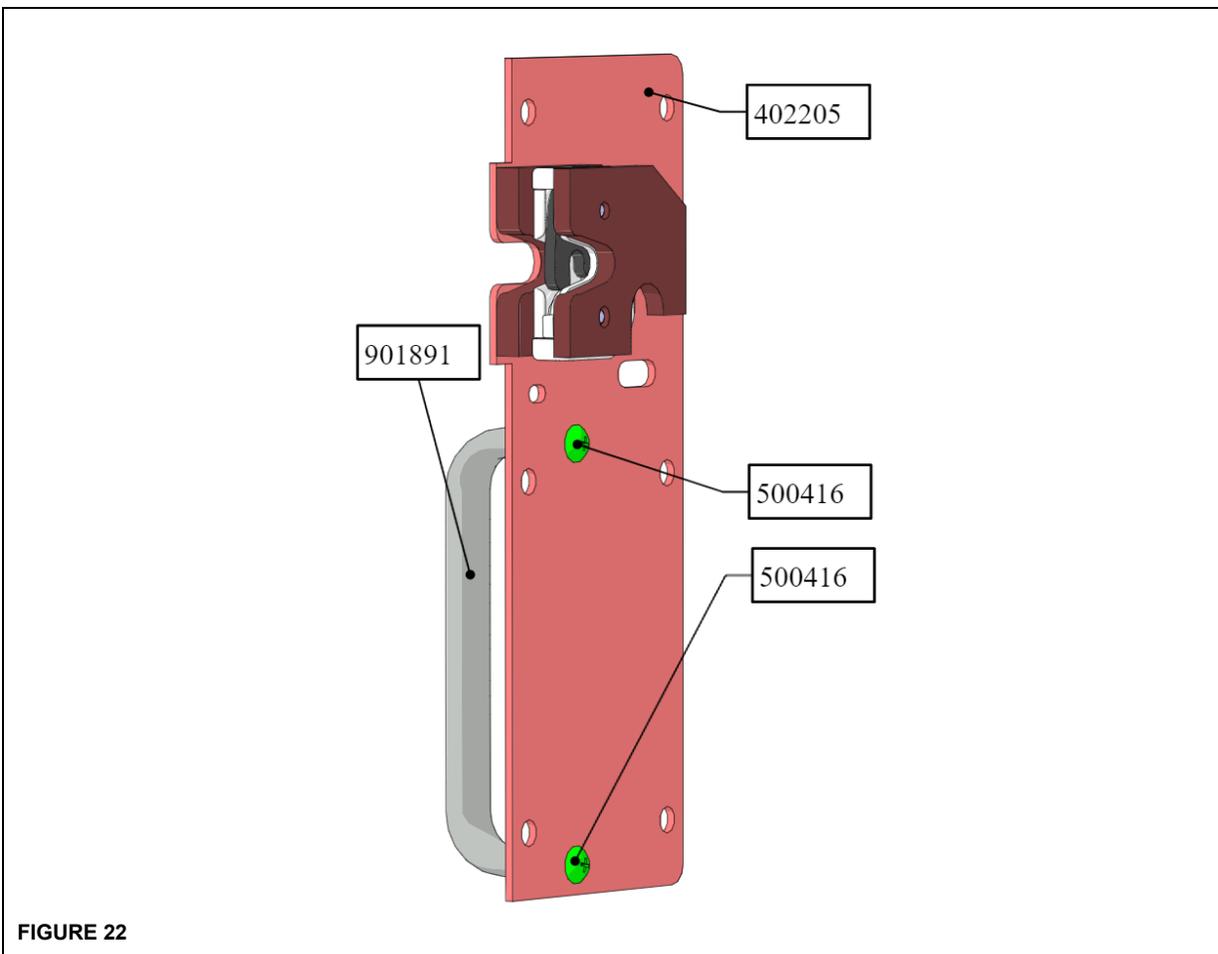


FIGURE 22

# PREVOST

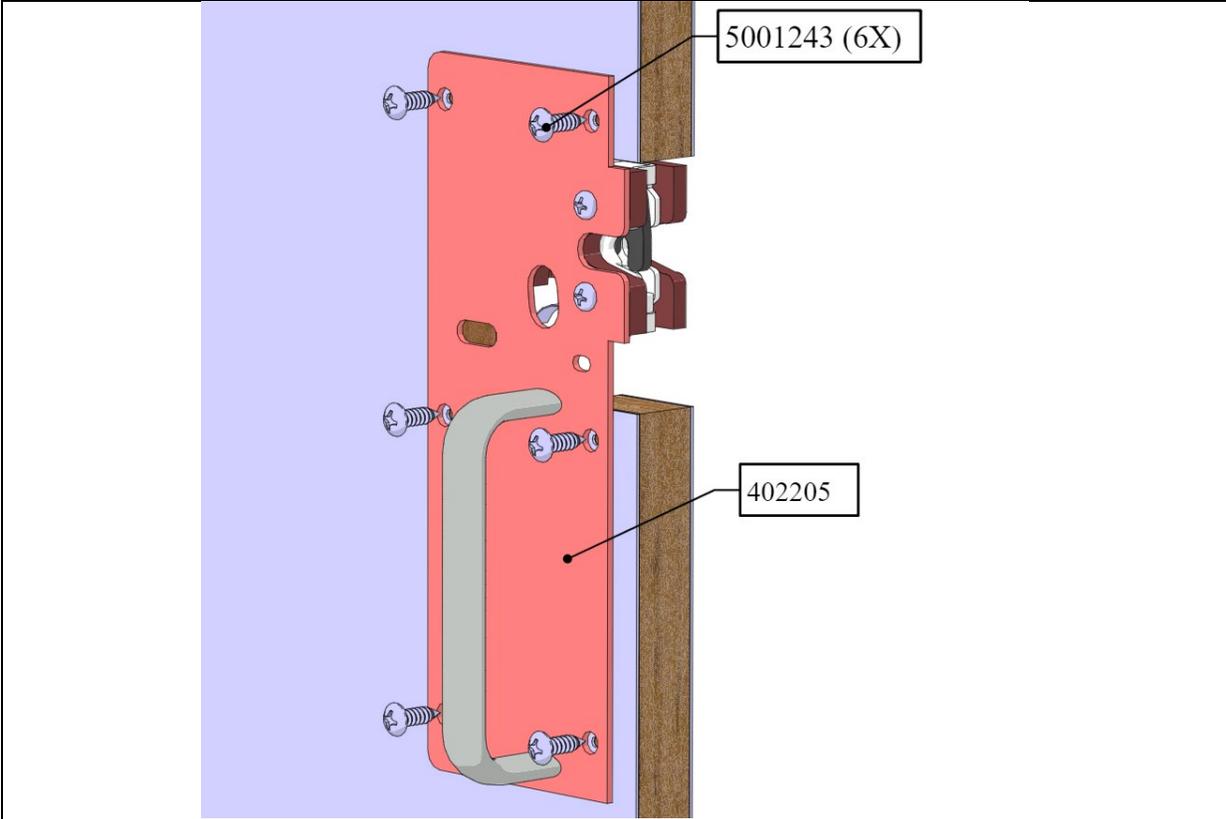


FIGURE 23

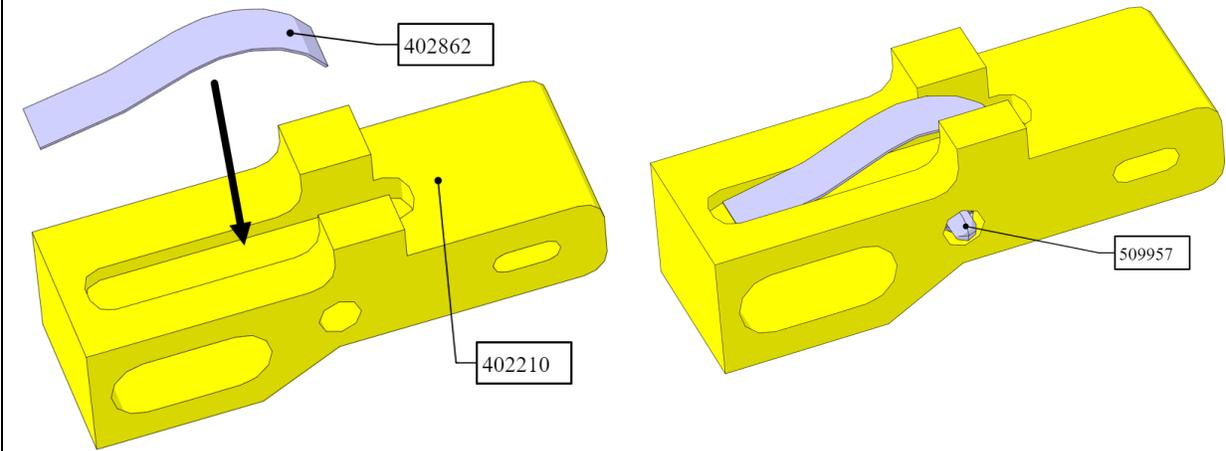
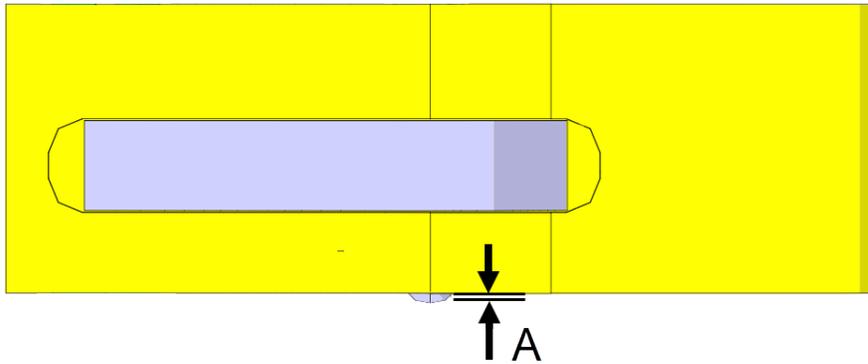
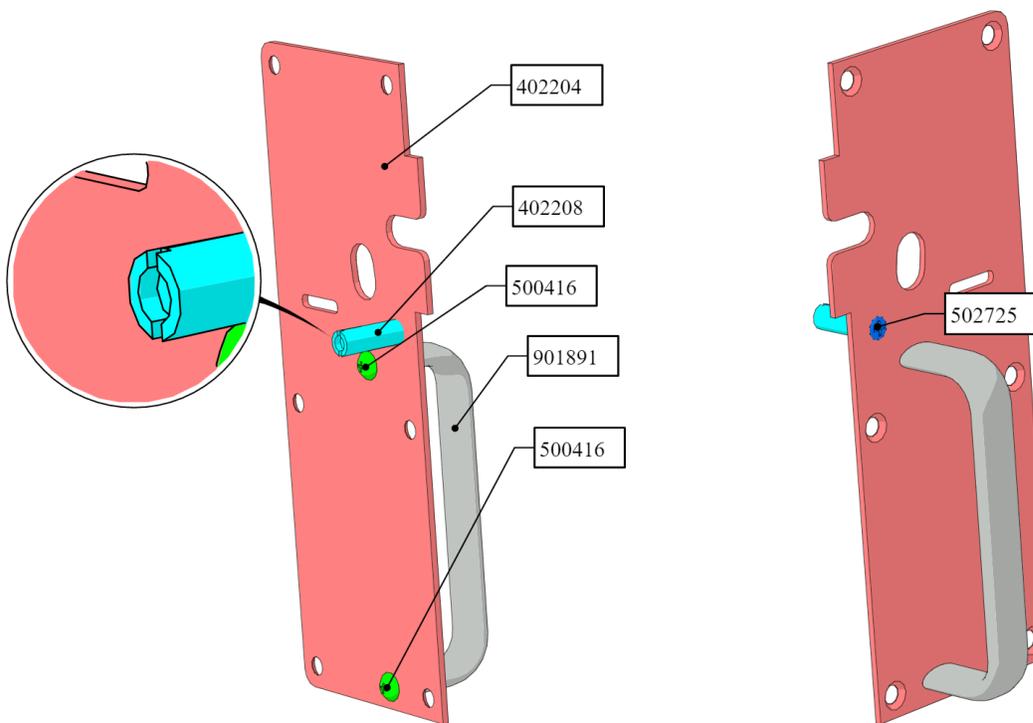


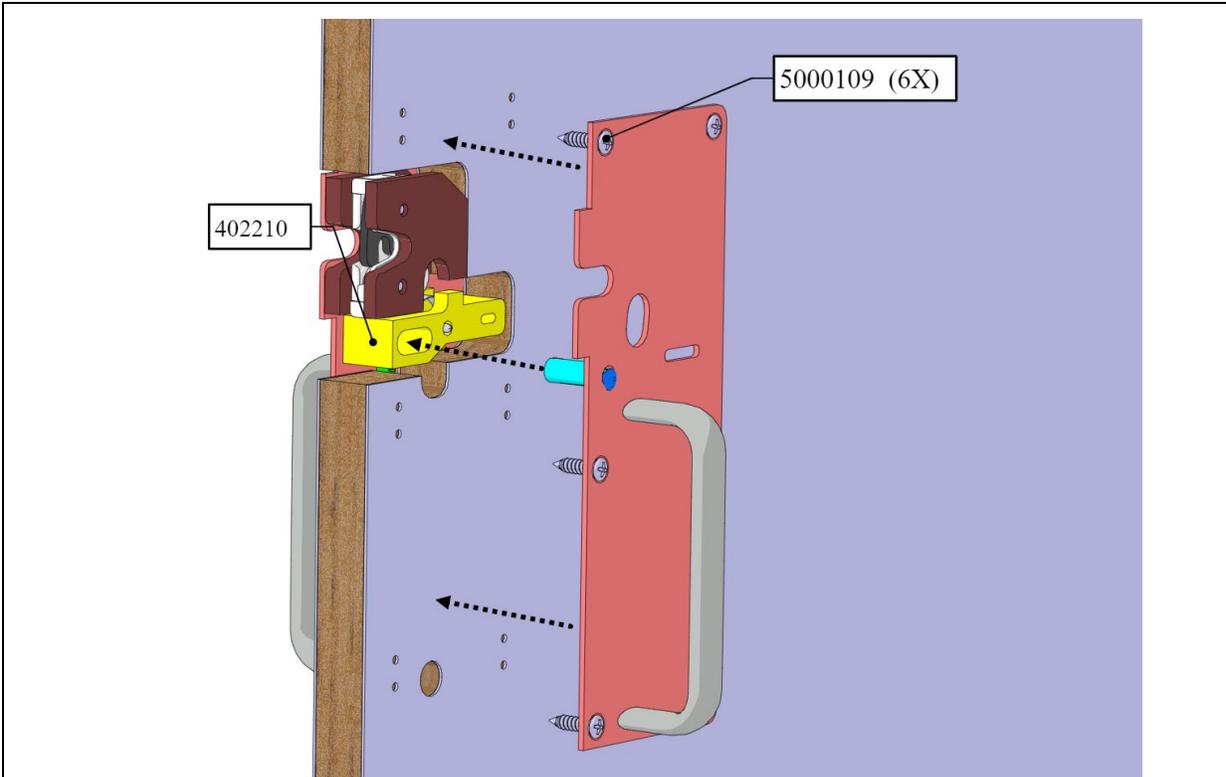
FIGURE 24



**Figure 25: BALL PROTRUSION DIMENSION A = 0.5 mm / 0.019 in - BALL ENSURES APPROPRIATE SLIDING MOVEMENT RESTRICTION**

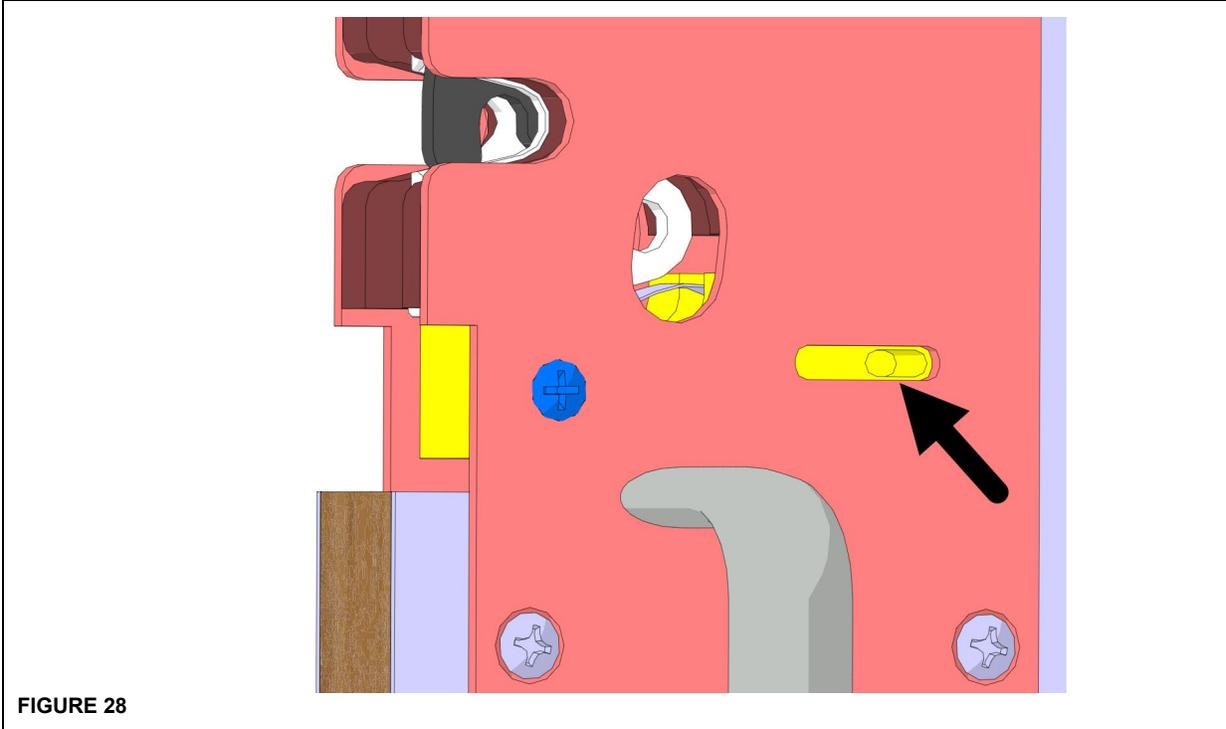


**FIGURE 26: PASSENGER SIDE PLATE PRE-ASSEMBLY**



**FIGURE 27**

**NOTE: LEAVE SCREWS 5000109 SLIGHTLY LOOSE UNTIL PLATE PROPERLY POSITIONED**



**FIGURE 28**

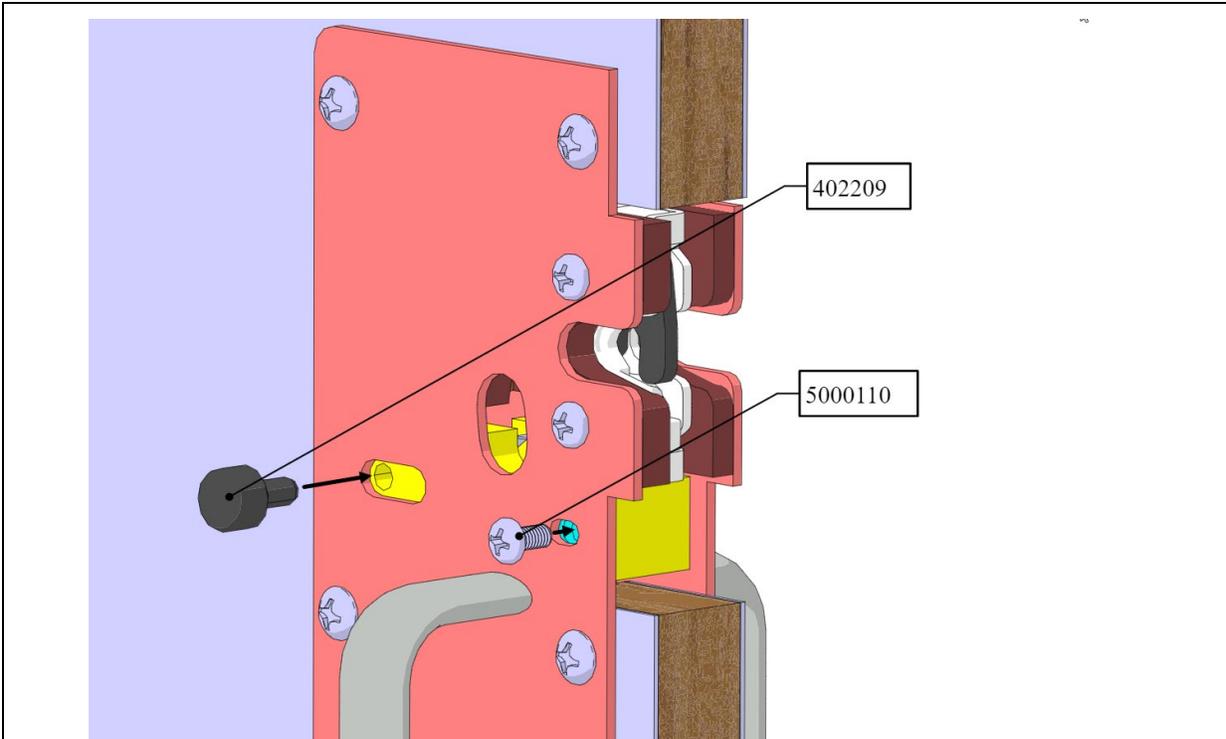
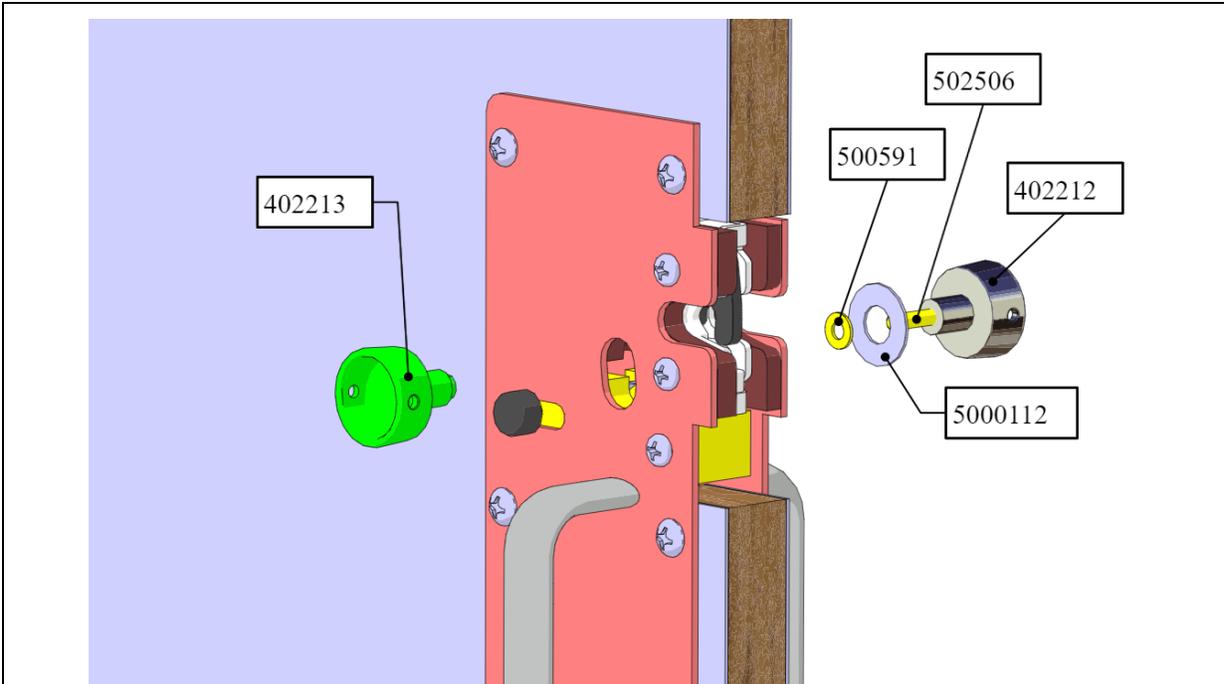


FIGURE 29



FIGURE 30



**FIGURE 31**

PERFORM THE ASSEMBLY FIRST WITHOUT USING LOCTITE AND TEST FOR APPROPRIATE FUNCTIONING.

APPLY LOCTITE ON 502506 THREADS BEFORE FASTENING TO 402213. INSERT A SLIM ROD IN BOTH THUMB BUTTONS HOLES TO TIGHTEN

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## MOLDING INSTALLATION

27. Install the two-part MOLDING as shown. Deburr the joint once separated.

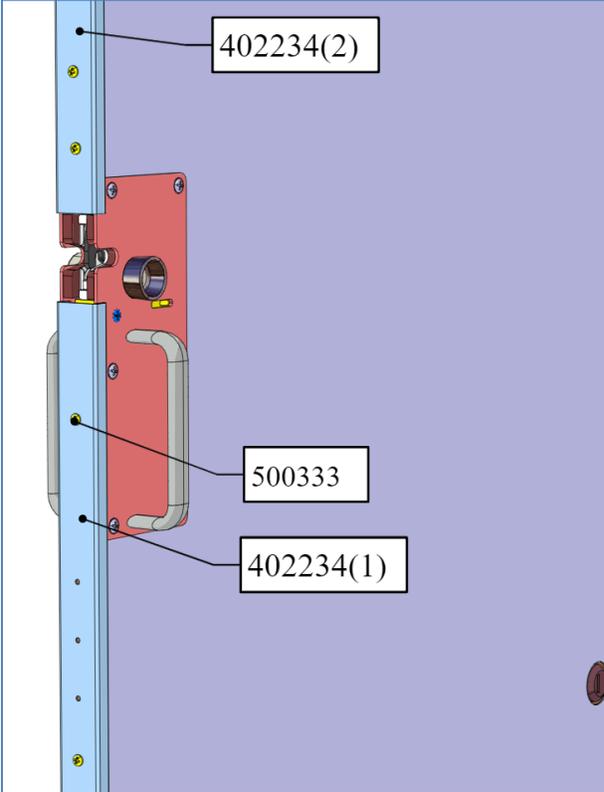
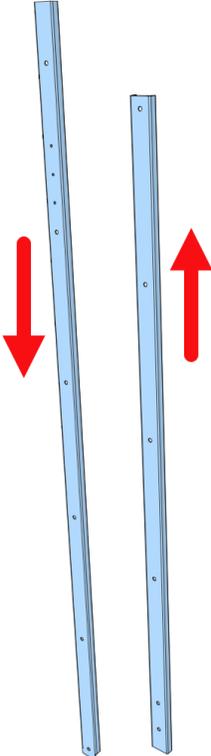


FIGURE 32

28. Reinstall the new vibration damper 402216 as previously installed with existing plate and hardware.

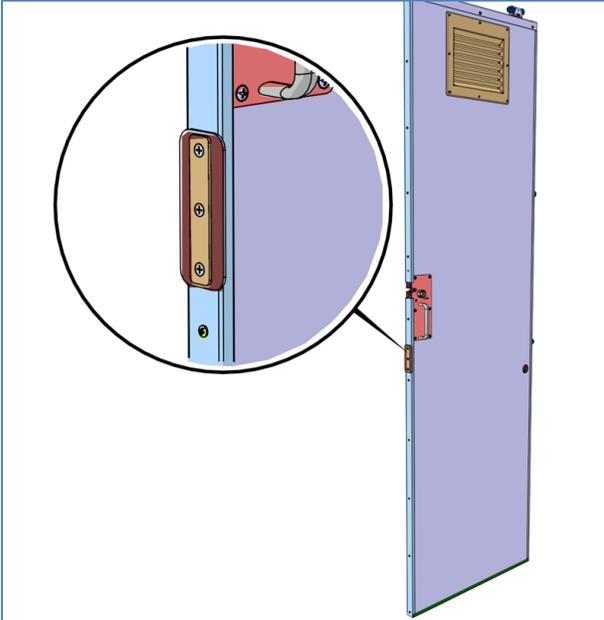


FIGURE 33

## NEW STRIKER INSTALLATION

29. Install the new striker as shown in the image in place of the previous one. Install **with two shims 402233** between **402215** and **901893**.

30. Leave screws 5001198 slightly loose to allow movement of plate 402215.

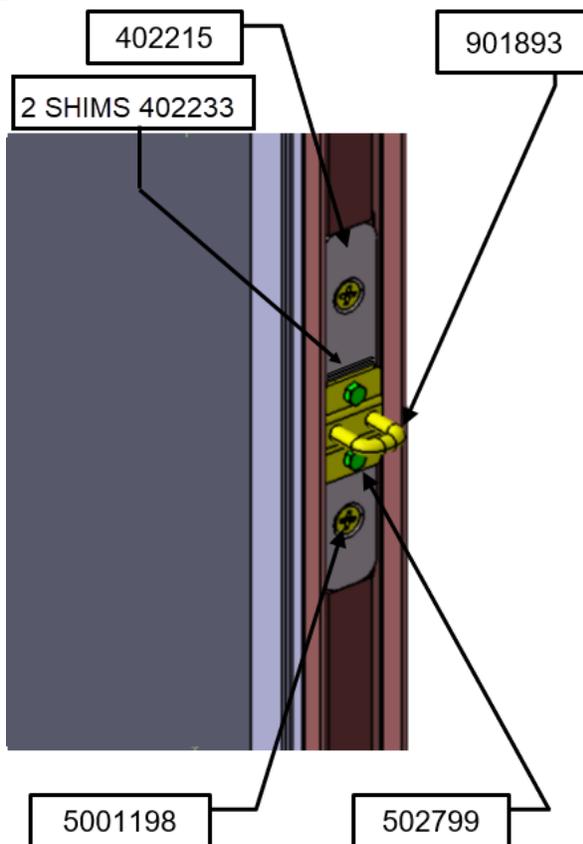


FIGURE 34

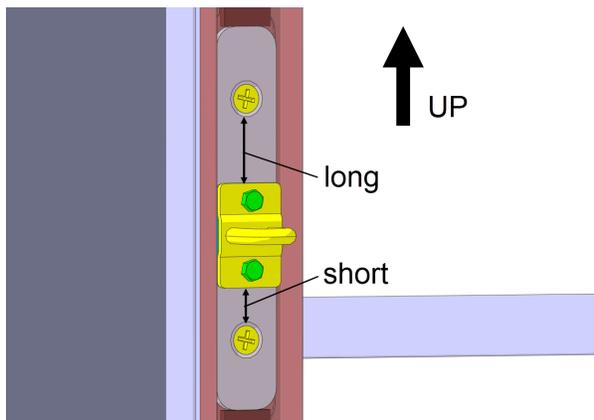


FIGURE 35

31. Close the door so it latches. The striker plate should now be positioned so the striker is centered in the catch. Once properly positioned, tighten screws 402215.

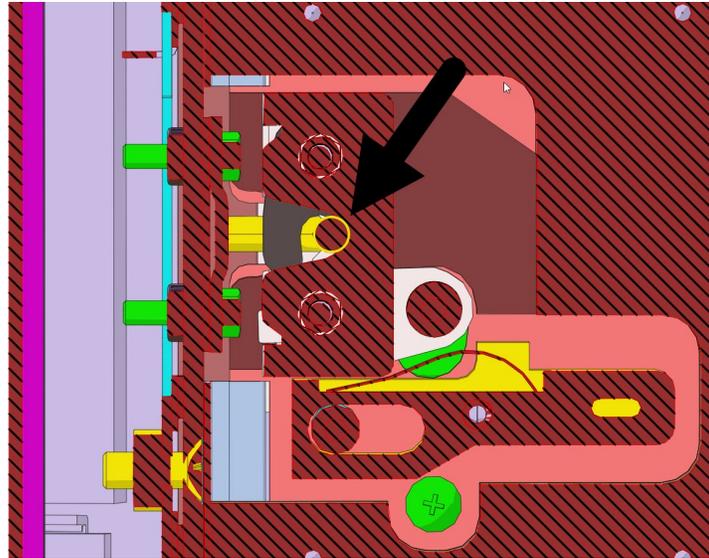


FIGURE 36

### DECALS INSTALLATION

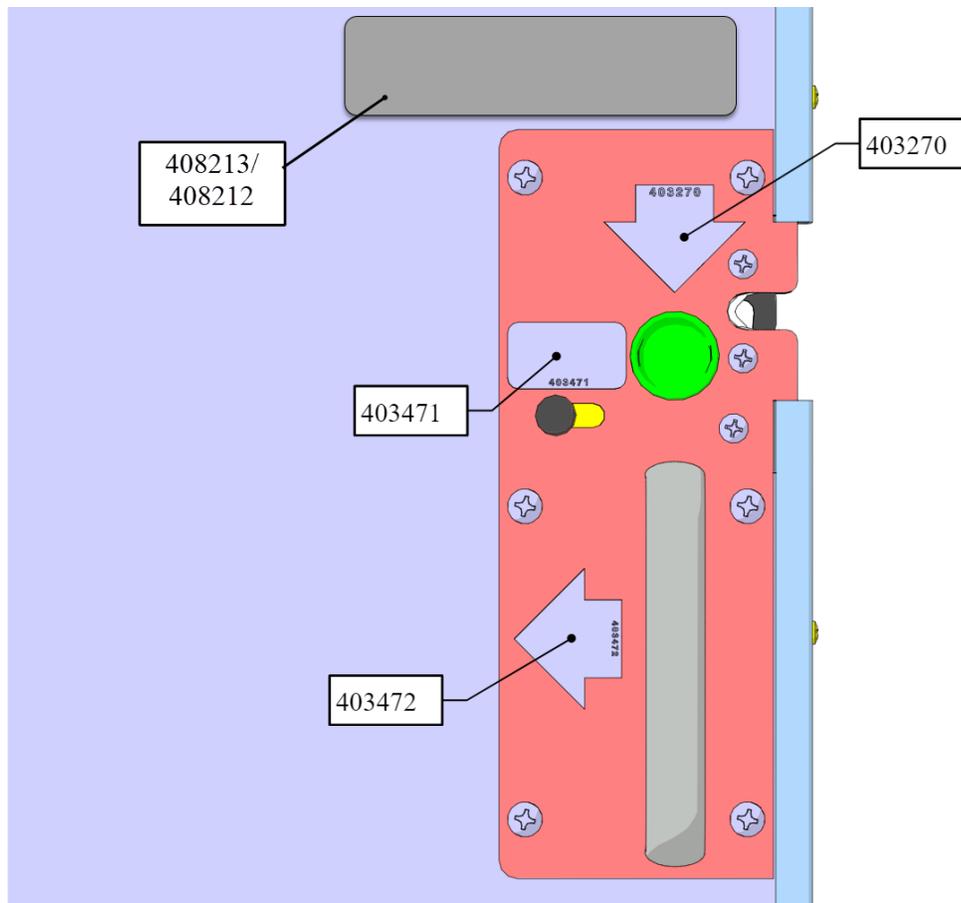


FIGURE 37

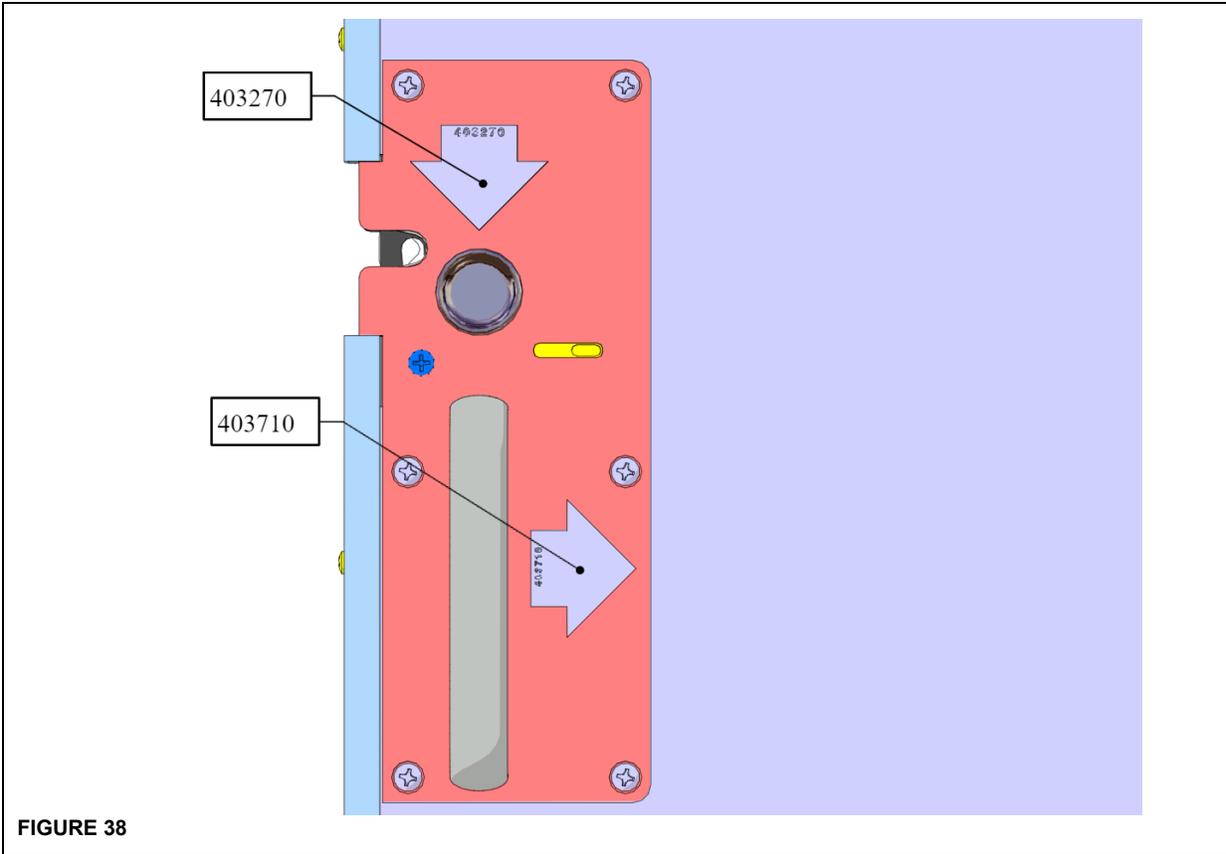


FIGURE 38

# PREVOST

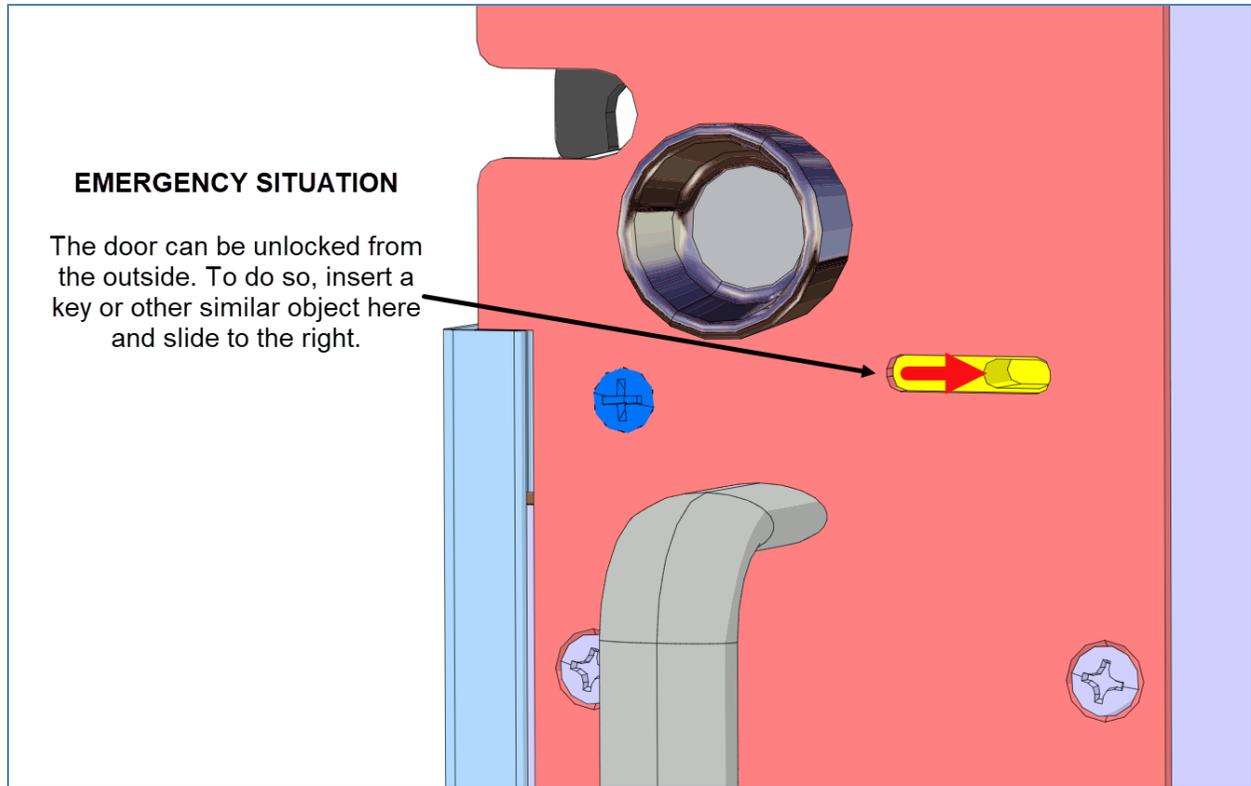


FIGURE 39

## PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)