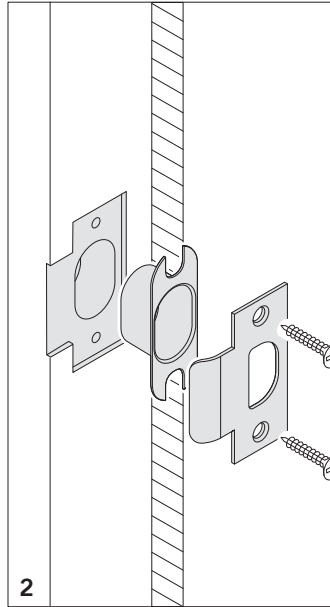
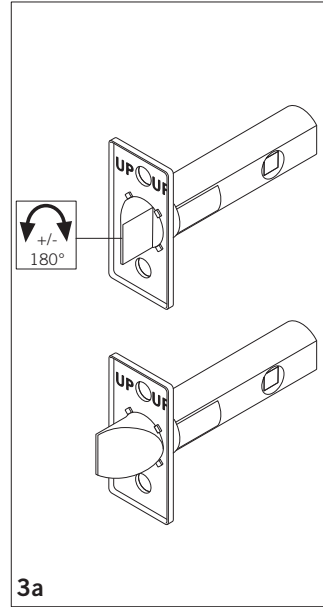


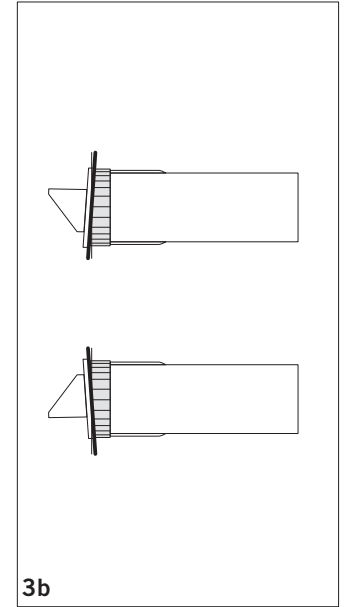
**Illustration 1**  
Prepare door using the proper FSB drilling template for Series HLL 7130 Latch, Function C, Trim Set RA.



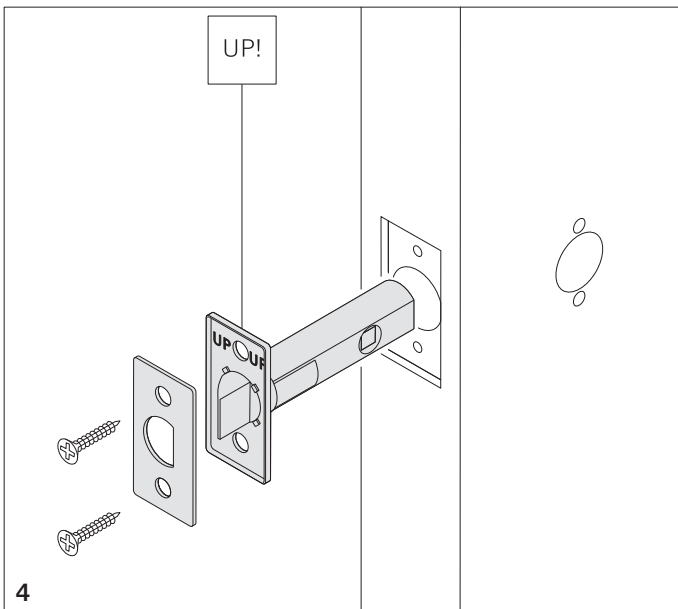
**Illustration 2**  
Prepare frame using the proper FSB Strike installation template for the HLL 1001 Strike and install with two screws as illustrated.



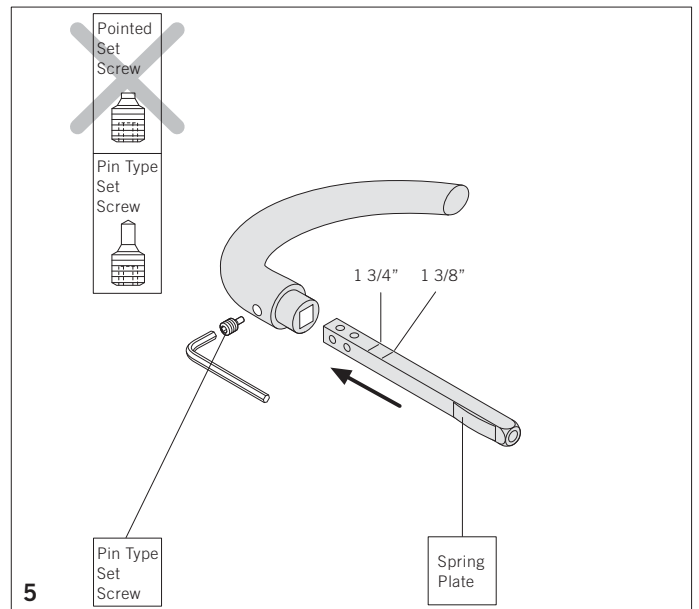
**Illustration 3a**  
Adjust latch bolt for right or left hand door by simply rotating it 180°.



**Illustration 3b**  
Latch front plate is loose to allow it to be positioned for flat or bevel edged door.

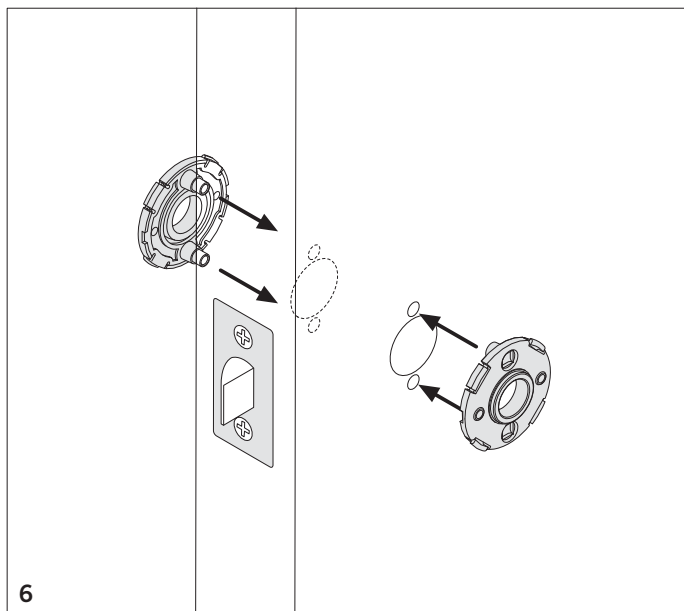


**Illustration 4**  
Insert latch into door preparation and position latch front plate for flat or bevel edged door. Secure using two screws through the face plate. Ensure proper orientation (UP) of the front plate as illustrated.

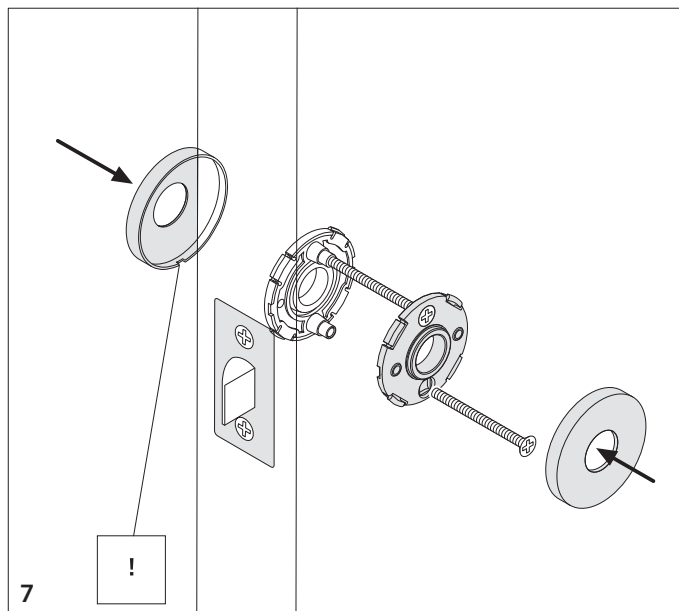


**Illustration 5**  
Insert the pin hole end of the FSB straight spindle into the neck of an FSB lever handle up to the line indicating the proper door thickness. The spring plate on the opposite end of the spindle must be facing the same direction as the set screw in the lever handle as shown in the illustration. Then insert and tighten the pin type set screw (supplied with the straight spindle) until the head of the set screw is flush with the

surface of the lever handle shank. Ensure that the spring plate on the spindle is facing the edge of the door to receive the opposite lever handle and pointed set screw.



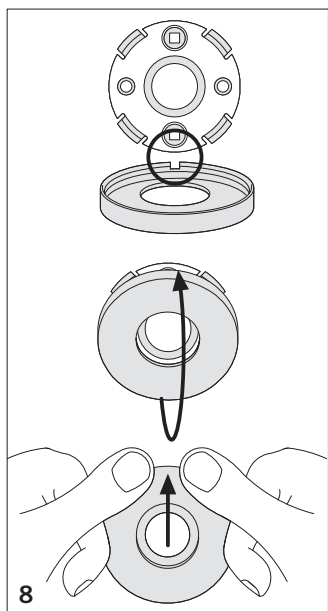
**Illustration 6**  
Proper orientation of the sub-roses is very important. Install the steel sub-roses on both sides of the door.



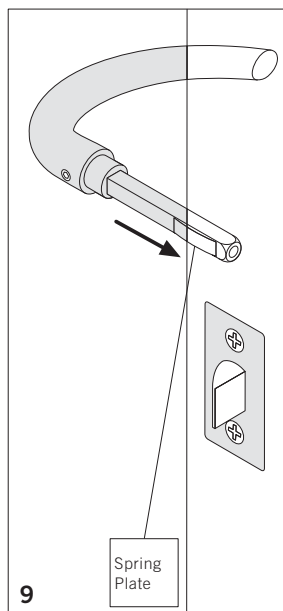
**Illustration 7**  
Fasten the two machine screws provided from the sub-rose without threaded inserts through the door and engage the threads of the opposite sub-rose as illustrated. Prior to fully tightening the sub-roses,

use the lever/spindle assembly as a tool to center the sub-roses. Insert the lever/spindle assembly through the latch hub and move the sub-roses as required to make sure they are centered with respect to the

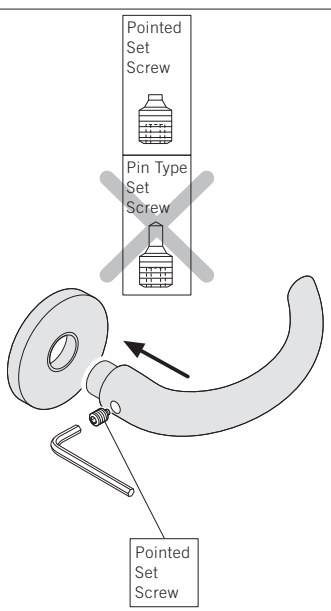
latch hub (to avoid binding). The lever neck should slide freely into the sub-rose on each side. Once the sub-roses are properly centered, tighten the machine screws.



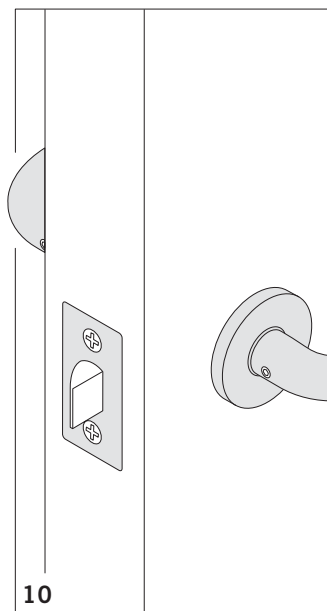
**Illustration 8**  
Attach the 55 mm x 7 mm decorative rose at the bottom of each sub-rose and press on to cover as illustrated.



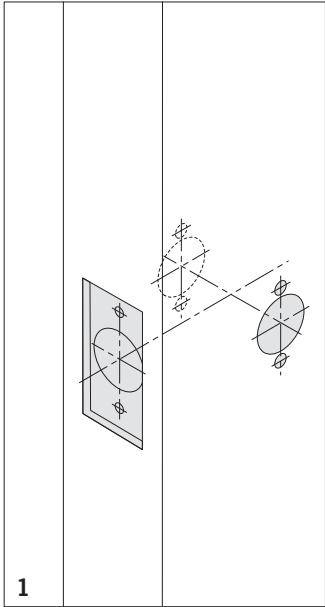
**Illustration 9**  
Insert the FSB lever handle/spindle assembly through the latch and attach the second FSB lever handle on the opposite side of the door. Insert and tighten the pointed set screw (supplied with the lever handle) until the head of the set screw is flush with the surface of the



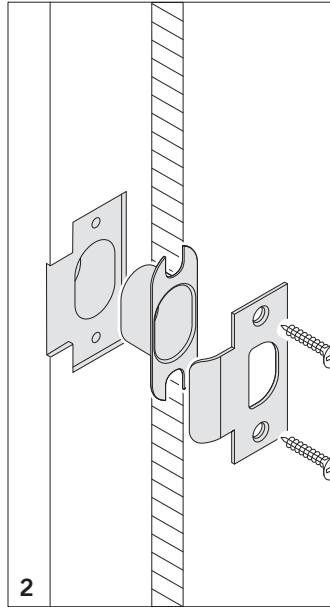
lever handle shank. **Ensure that the pointed set screw has punched the steel spring plate on the spindle.** Note that the set screw will meet resistance as it presses against the steel spring plate. Continue to tighten until the pointed set screw punctures the steel spring plate.



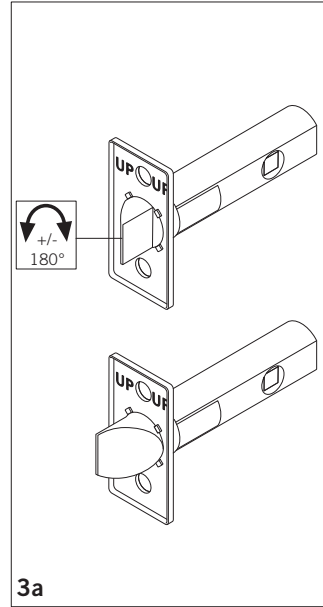
**Illustration 10**  
Verify the proper functioning of the lever handles with the latch. If necessary, dis-assemble and re-center the sub-roses to ensure proper function without binding.



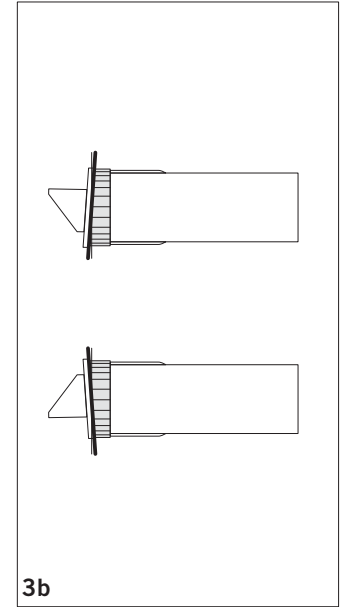
**Illustration 1**  
Prepare door using the proper FSB drilling template for Series HLL 7130 Latch, Function C, Trim Set RM.



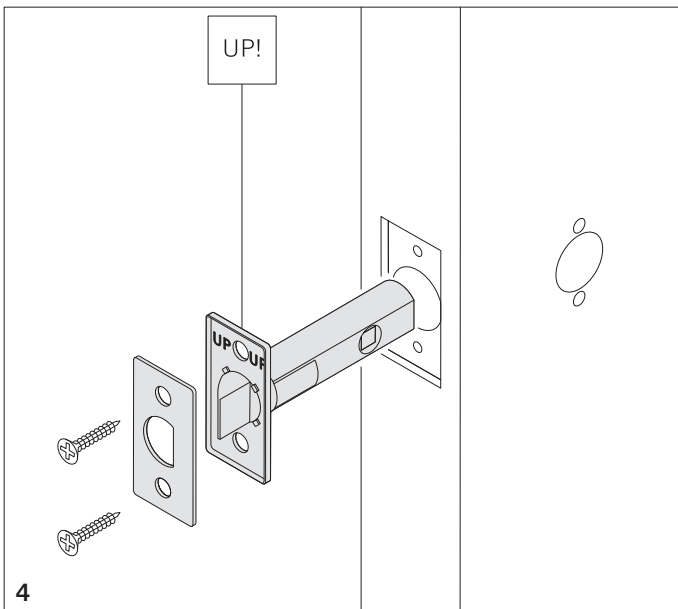
**Illustration 2**  
Prepare frame using the proper FSB Strike installation template for the HLL 1001 Strike and install with two screws as illustrated.



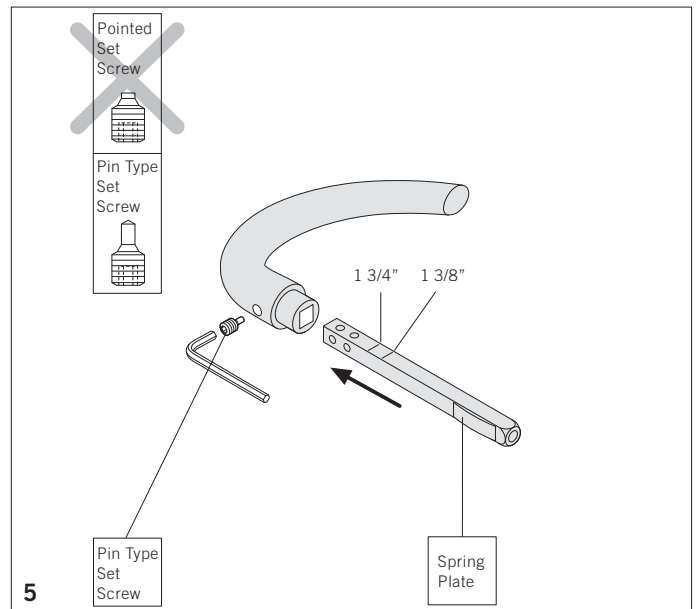
**Illustration 3a**  
Adjust latch bolt for right or left hand door by simply rotating it 180°.



**Illustration 3b**  
Latch front plate is loose to allow it to be positioned for flat or bevel edged door.

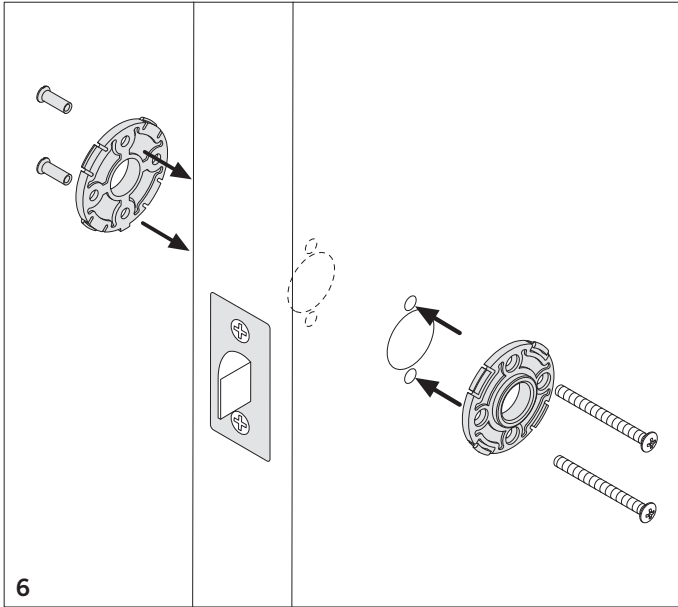


**Illustration 4**  
Insert latch into door preparation and position latch front plate for flat or bevel edged door. Secure using two screws through the face plate. Ensure proper orientation (UP) of the front plate as illustrated.

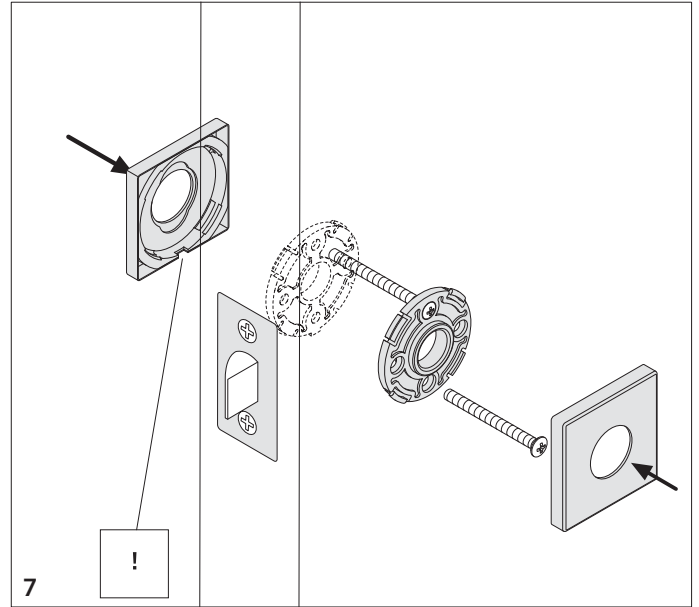


**Illustration 5**  
Insert the pin hole end of the FSB straight spindle into the neck of an FSB lever handle up to the line indicating the proper door thickness. The spring plate on the opposite end of the spindle must be facing the same direction as the set screw in the lever handle as shown in the illustration. Then insert and tighten the pin type set screw (supplied with the straight spindle) until the head of the set screw is flush with the

surface of the lever handle shank. Ensure that the spring plate on the spindle is facing the edge of the door to receive the opposite lever handle and pointed set screw.



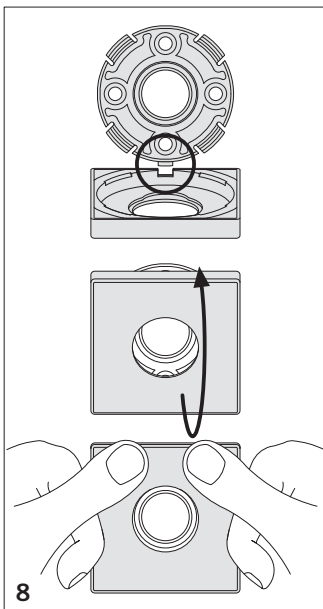
**Illustration 6**  
Proper orientation of the sub-roses is very important. Install the plastic sub-roses on both side of the door. Note: press the threaded lug inserts into the holes at 12 and 6 o'clock positions in the sub-rose as shown.



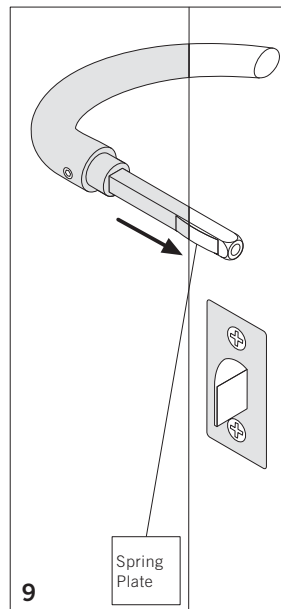
**Illustration 7**  
Fasten the two machine screws provided from the sub-rose without threaded inserts through the door and engage the threads of the opposite sub-rose as illustrated. Prior to fully tightening the sub-roses,

use the lever/spindle assembly as a tool to center the sub-roses. Insert the lever/spindle assembly through the latch hub and move the sub-roses as required to make sure they are centered with respect to the

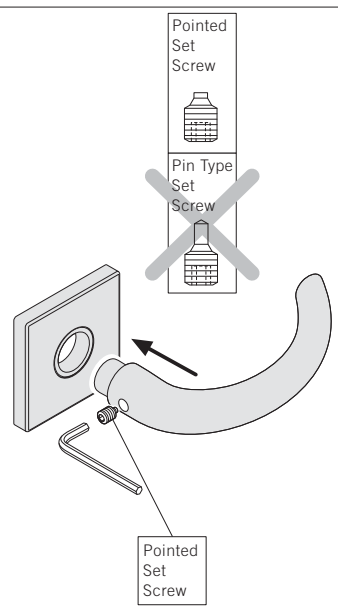
latch hub (to avoid binding). The lever neck should slide freely into the sub-rose on each side. Once the sub-roses are properly centered, tighten the machine screws.



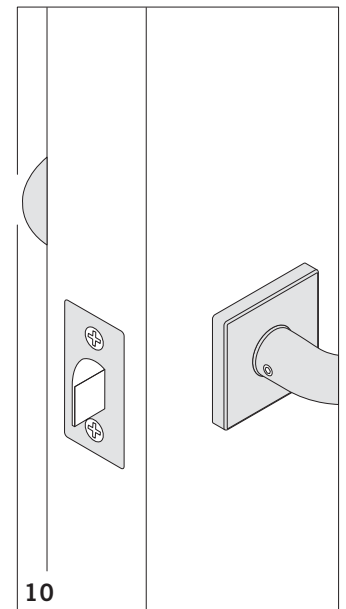
**Illustration 8**  
Attach the 55 x 55 mm x 7.2 mm decorative rose at the bottom of each sub-rose and press on to cover as illustrated.



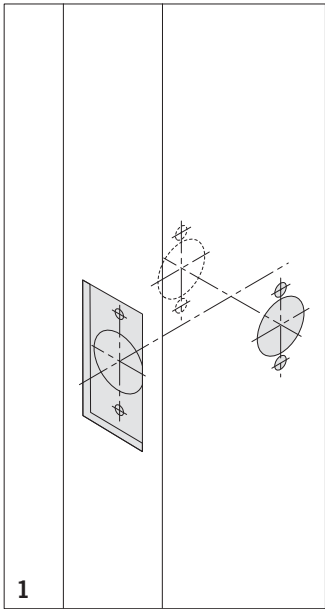
**Illustration 9**  
Insert the FSB lever handle/spindle assembly through the latch and attach the second FSB lever handle on the opposite side of the door. Insert and tighten the pointed set screw (supplied with the lever handle) until the head of the set screw is flush with the surface of the



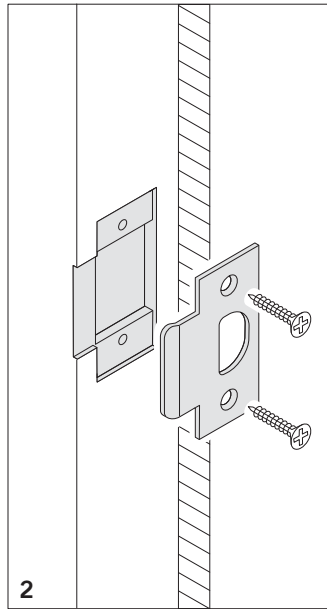
lever handle shank. **Ensure that the pointed set screw has punched the steel spring plate on the spindle.** Note that the set screw will meet resistance as it presses against the steel spring plate. Continue to tighten until the pointed set screw punctures the steel spring plate.



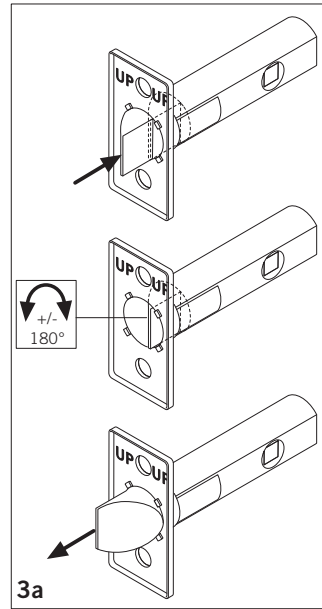
**Illustration 10**  
Verify the proper functioning of the lever handles with the latch. If necessary, dis-assemble and re-center the sub-roses to ensure proper function without binding.



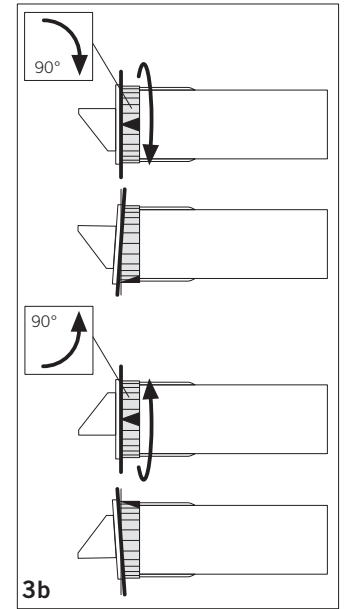
**Illustration 1**  
Prepare door using the proper FSB drilling template for Series HLL 7010 Latch, Function CU, Trim Set RM.



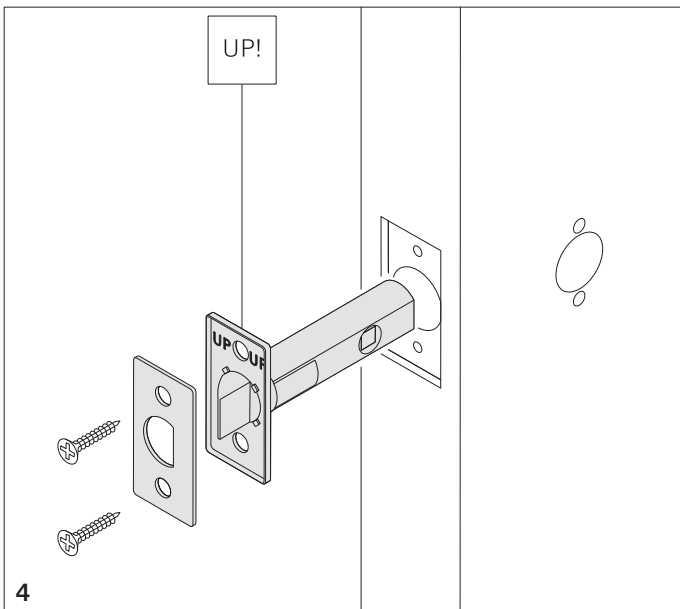
**Illustration 2**  
Prepare frame using the proper FSB Strike installation template for the HL 1001 Strike and install with two screws as illustrated.



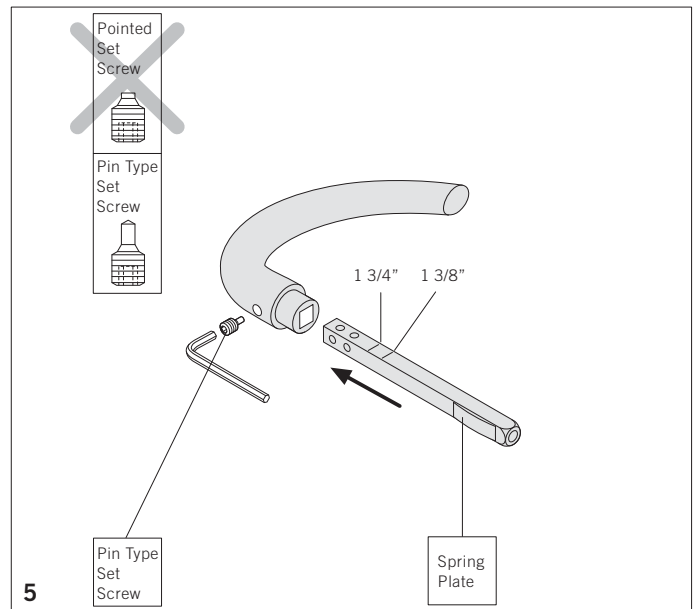
**Illustration 3a**  
Adjust latch bolt for right or left hand door by pushing it inside the latch and rotating.



**Illustration 3b**  
Adjust latch front for flat or bevel edged door by rotating the red adjustment ring as illustrated.



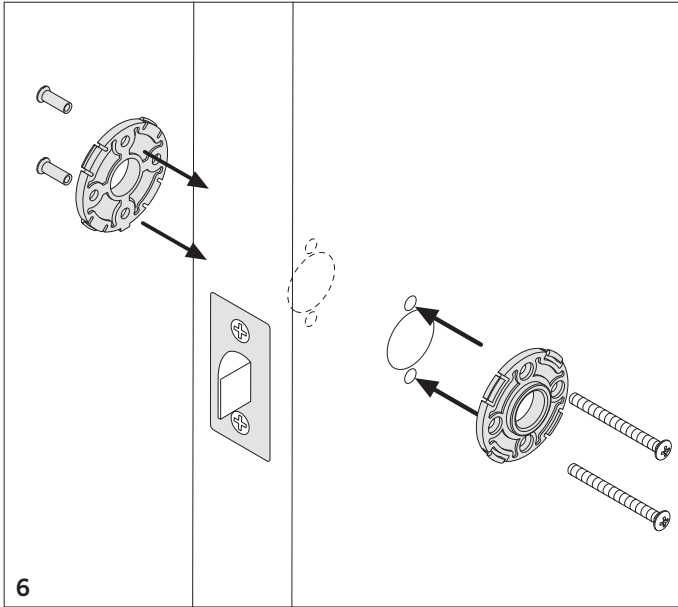
**Illustration 4**  
Insert latch into door preparation and secure using two screws through the face plate. Ensure the proper orientation (UP) of the front plate as illustrated.



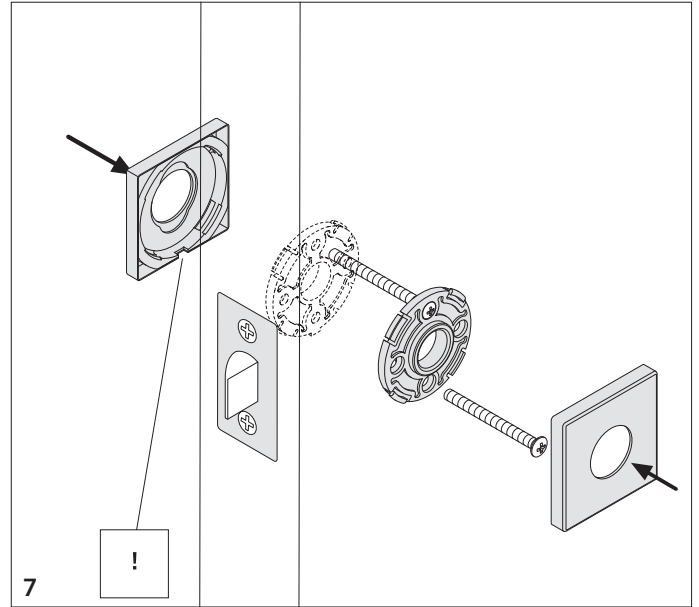
**Illustration 5**  
Insert the pin hole end of the FSB straight spindle into the neck of an FSB lever handle up to the line indicating the proper door thickness. The spring plate on the opposite end of the spindle must be facing the

same direction as the set screw in the lever handle as shown in the illustration. Then insert and tighten the pin type set screw (supplied with the straight spindle) until the head of the set screw is flush with the

surface of the lever handle shank. Ensure that the spring plate on the spindle is facing the edge of the door to receive the opposite lever handle and pointed set screw.



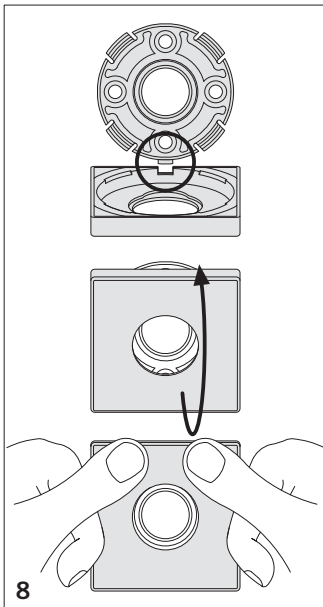
**Illustration 6**  
Proper orientation of the sub-roses is very important. Install the plastic sub-roses on both side of the door. Note: press the threaded lug inserts into the holes at 12 and 6 o'clock positions in the sub-rose as shown.



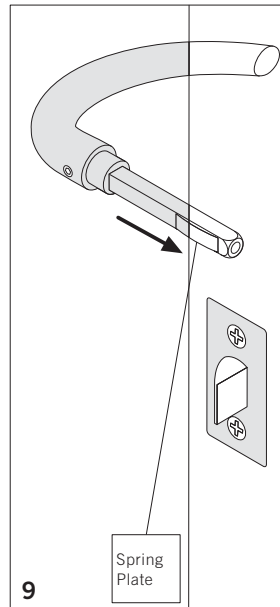
**Illustration 7**  
Fasten the two machine screws provided from the sub-rose without threaded inserts through the door and engage the threads of the opposite sub-rose as illustrated. Prior to fully tightening the sub-roses,

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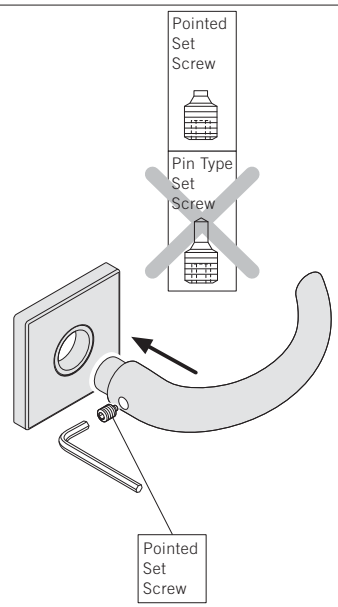
latch hub (to avoid binding). The lever neck should slide freely into the sub-rose on each side. Once the sub-roses are properly centered, tighten the machine screws.



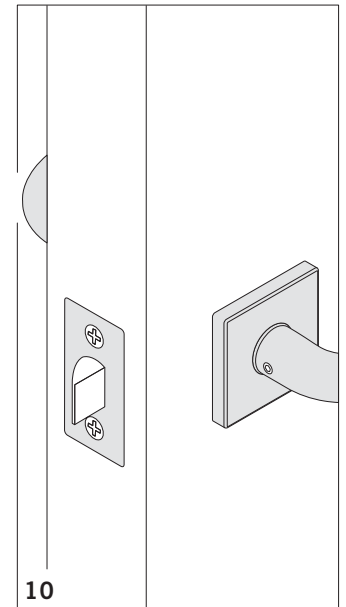
**Illustration 8**  
Attach the 55 x 55 mm x 7.2 mm decorative rose at the bottom of each sub-rose and press on to cover as illustrated.



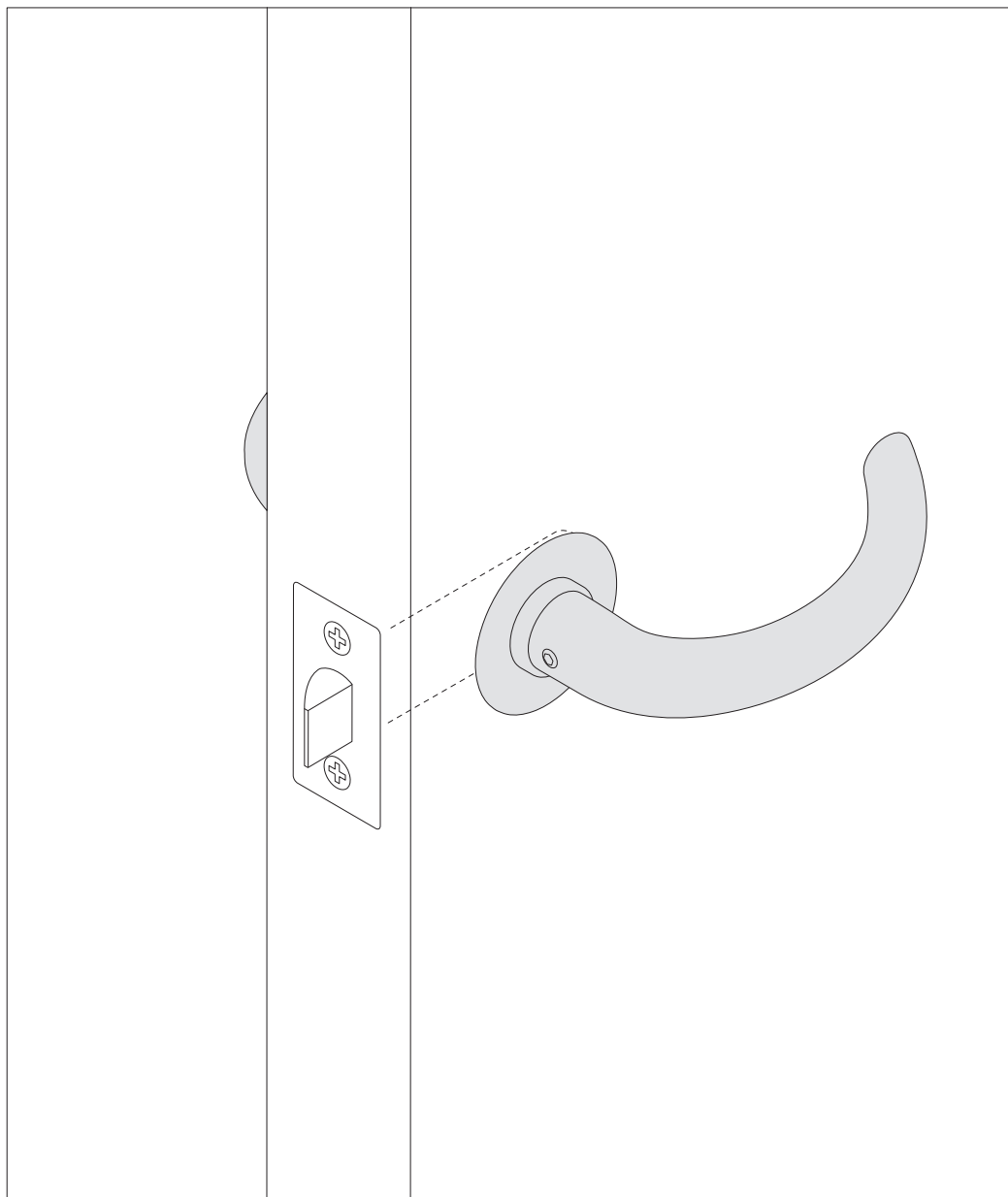
**Illustration 9**  
Insert the FSB lever handle/spindle assembly through the latch and attach the second FSB lever handle on the opposite side of the door. Insert and tighten the pointed set screw (supplied with the lever handle) until the head of the set screw is flush with the surface of the



lever handle shank. **Ensure that the pointed set screw has punched the steel spring plate on the spindle.** Note that the set screw will meet resistance as it presses against the steel spring plate. Continue to tighten until the pointed set screw punctures the steel spring plate.



**Illustration 10**  
Verify the proper functioning of the lever handles with the latch. If necessary, dis-assemble and re-center the sub-roses to ensure proper functioning without binding.



Attaining the modern design aesthetic and elegant look of FSB Flush Rose Hardware requires both the best hardware as well as the best door preparation available. These Installation Instructions provide a step by step guide for the proper door preparation and hardware installation/ assembly required.

The Installation Instructions will be presented in 4 specific steps:

**Step 1, Preparing the Door**

The door must first be prepared with the mortise pocket for the FSB lock/latch, and the proper face bore holes to utilize the Milling Template/Drilling Jig for the specific function required. Use the Template on Page 3 and the Function/Bore Hole Matrix on Page 4 of this publication.

**Step 2, Installation of the FSB Lock or Latch**

The FSB lock/latch must be properly installed in the mortise pocket in the door. Instructions follow on subsequent pages.

**Step 3, Using the Milling Template/Drilling Jig for Flush Rose Prep**

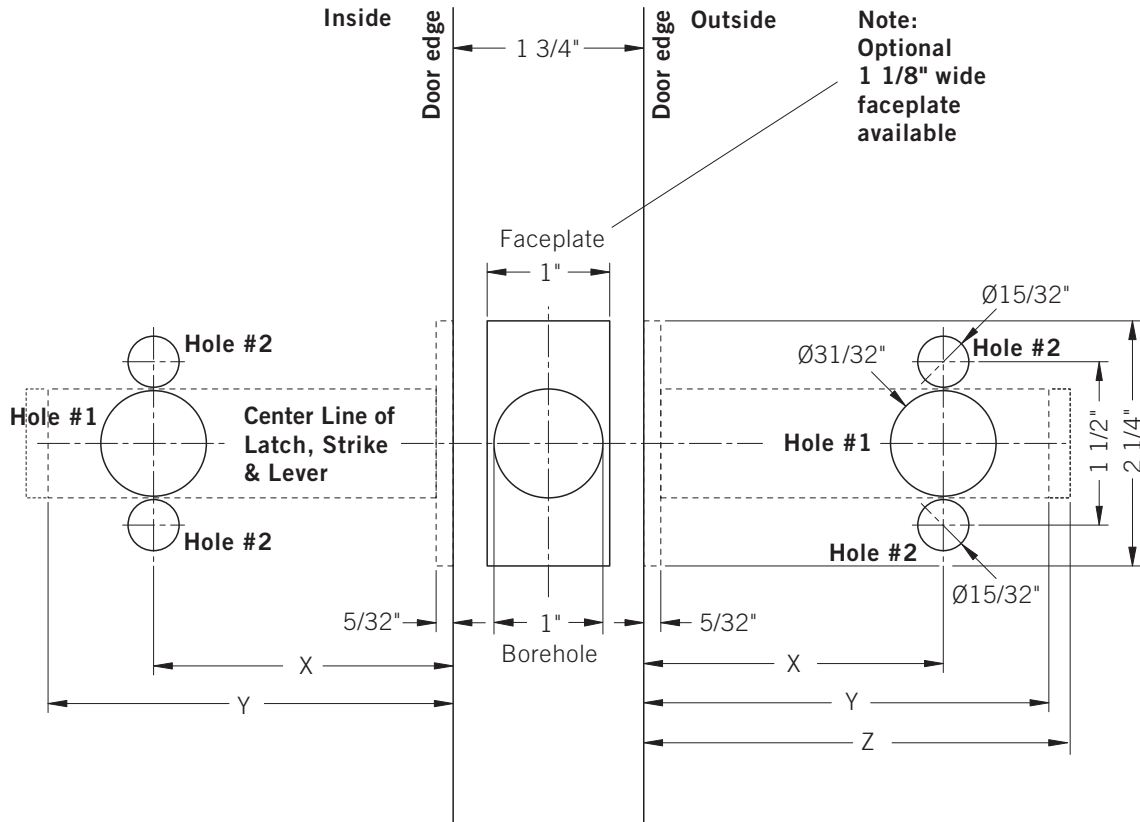
Tools required for milling and routing the FSB Flush Rose prep are: FSB Milling Template; FSB Drilling Jig; Drill; Router with 3/4" diameter milling cutter and a 1 3/16" outside diameter template guide. Instructions follow on subsequent pages.

**Step 4, Installation/Assembly of Flush Rose Trim/Hardware**

Flush Rose Trim is easily installed for all FSB lock and latch functions using a Phillips Head screwdriver and a 3mm wide Allen Key Wrench by following instructions on subsequent pages.

The FSB Flush Rose Trim is only offered for 1 3/4" thick doors. Please insure that the door thickness is a full 1 3/4", not nominal. You must also insure that the door is constructed of solid derived timber products such as laminated wood panels, multiplex, plywood or solid wood. Always make sure that the residual material between the lock/latch case is strong enough to allow reliable and secure screw connection without exerting pressure on the lock or latch.

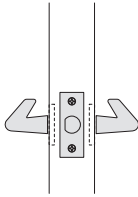



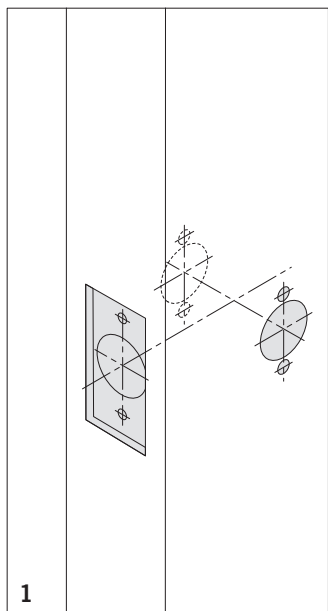


**Legend**

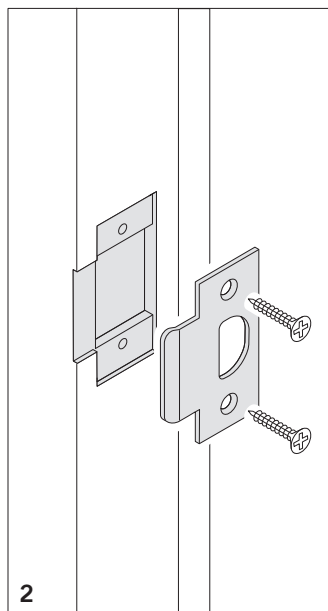
Backset X	Case Depth Y	Bore Depth Z
2 3/8"	3 11/32"	3 15/32"
2 3/4"	3 23/32"	3 27/32"

<b>Hole #1</b>	Lever/Knob	Inside/Outside
<b>Hole #2</b>	Through Bolt	Inside/Outside

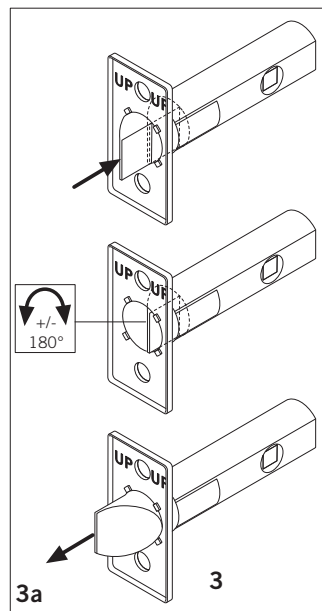
<b>Function</b>		<b>C</b>						
<b>FSB 7130 Heavy Duty Lever Latch</b>								
<b>Spindle</b>								
<b>Step 1</b>								
<b>Inside</b>	<b>Hole #1</b>	<b>X</b>						
	<b>Hole #2</b>	<b>X</b>						
<b>Outside</b>	<b>Hole #1</b>	<b>X</b>						
	<b>Hole #2</b>	<b>X</b>						
<b>Step 3</b>								
further door preparation, see page		<b>7</b>						
<b>Step 4</b>								
Assembly, see page		<b>8, 9</b>						



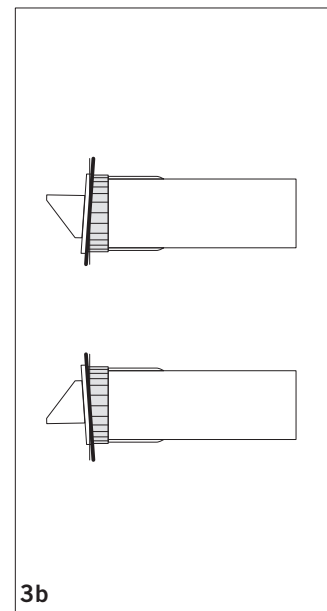
**Illustration 1**  
Prepare door using the proper FSB drilling template for Series HLL 7130 Latch, Function C as found on Page 3.



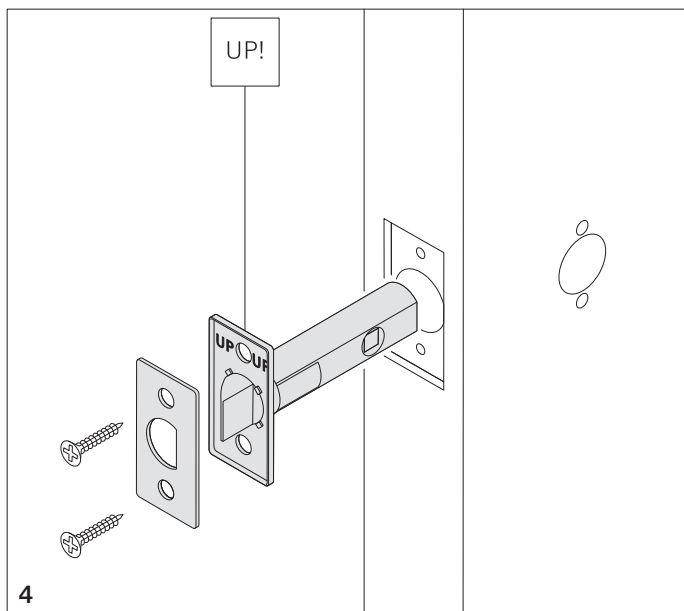
**Illustration 2**  
Prepare frame using the proper FSB Strike installation template for the HLL 1001 Strike and install with two screws as illustrated.



**Illustration 3a**  
Adjust latch bolt for right or left hand door by pushing it inside the latch and rotating.



**Illustration 3b**  
Latch front plate is loose to allow it to be positioned for flat or bevel edged door.



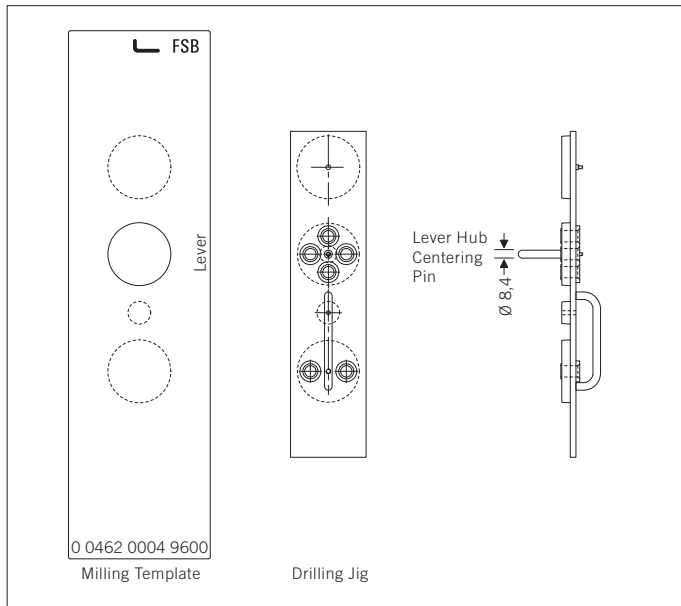
**Illustration 4**  
Insert latch into door preparation and secure using two screws through the face plate. Ensure the proper orientation (UP) of the front plate as illustrated.

The Milling Template and Drilling Jig will be used together to make the through-bolt holes to accommodate the "retention sleeves" and to mill out the recesses required to install the Flush Rose Trim.

Prior to using the Milling Template and Drilling Jig, the initial door prep must be done for the Lever Latch body and the face bore holes required for Function C (Passage).

The Milling Template must always be installed parallel to the door edge and centered over the proper backset required. A removable "Centering Pin" is installed in the Drilling Jig and then inserted into the Lever Hub of

the latch to position the Milling Template properly for the Passage application.

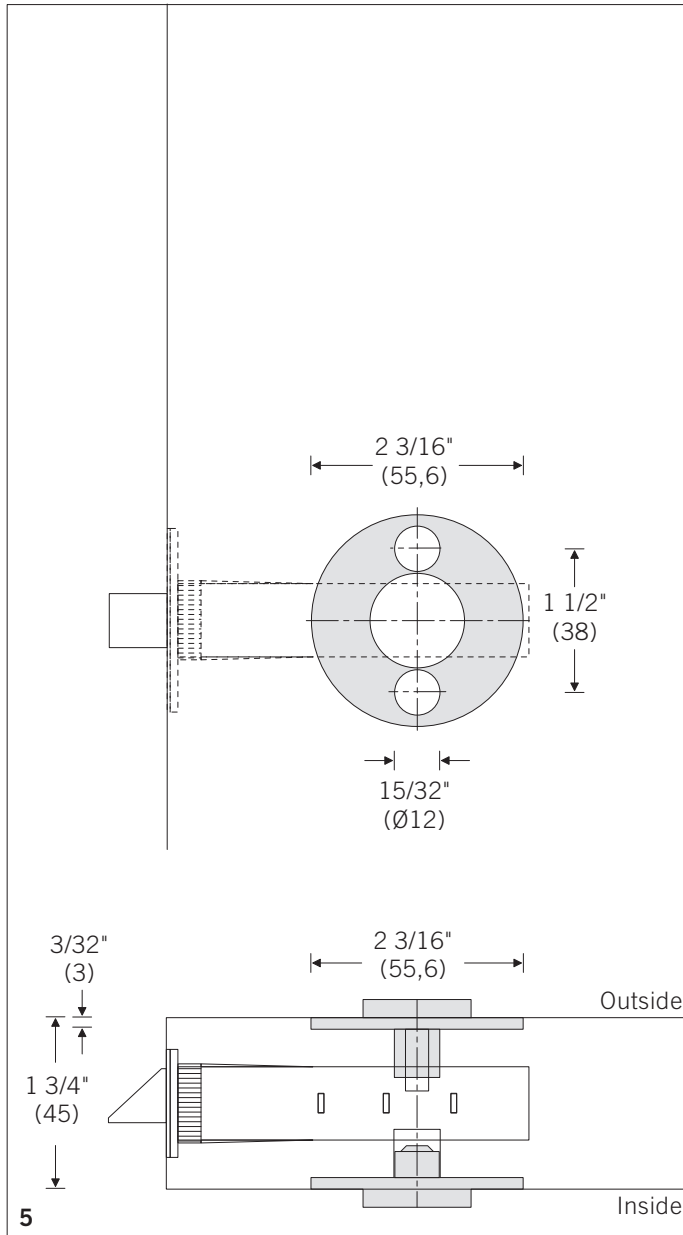


**Lever Holes**

**For Lever**

- Position the pin  $\varnothing 8,4$  mm as shown on the left and install by screwing into the threaded inserts on the back of the Drilling Jig.
- Center the Milling Template over the face bore holes at the proper backset and position parallel to the edge of the door.
- Insert the centering pin of the Drilling Jig through the Milling Template into the lever hub hole.

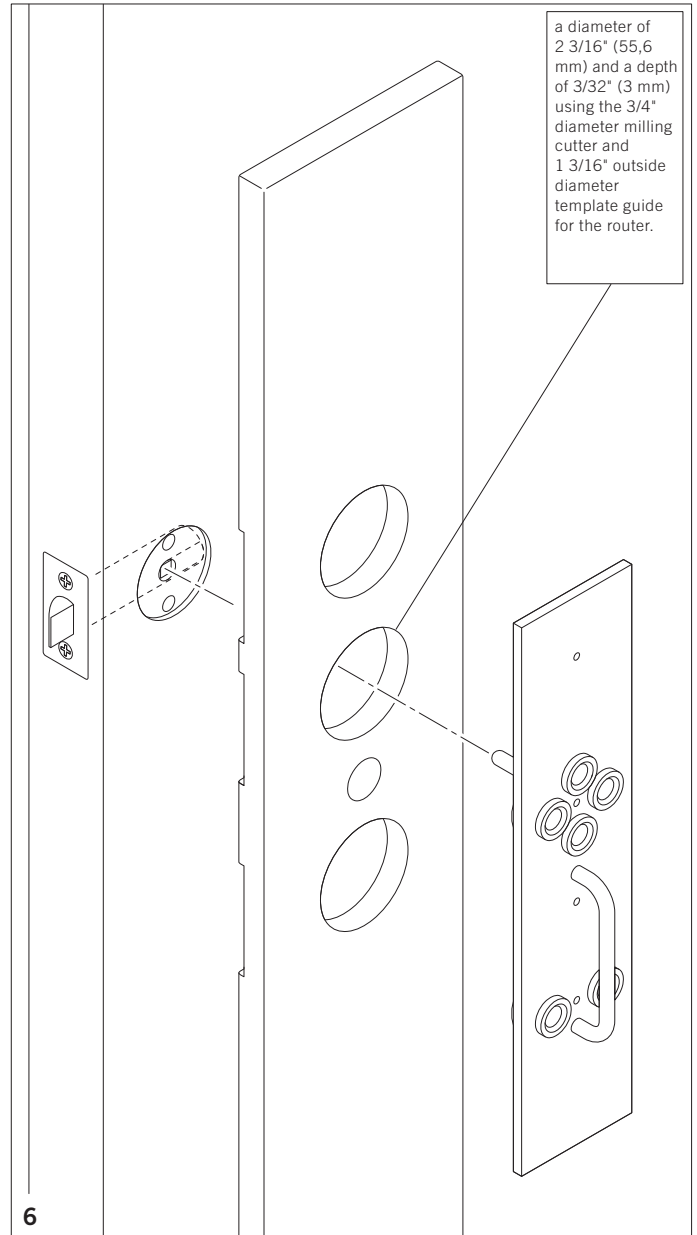
- This will put the Milling Template in the proper position on the door.
- The Milling Template must be parallel to the door edge.
- Secure the Milling Template to the door using two Screw Clamps, then remove the Drilling Jig.
- Follow "Step 3 - Using the Milling Template/Drilling Jig For Flush Rose Prep" for drilling and milling recesses.



**Illustration 5**  
**Lever Rose Prep**

The Flush Rose recesses must be 2 3/16" (55,6 mm) in diameter and be centered on the Lever Spindle Hub of the latch (this will be accomplished by using the Milling Template). They are to be cut to a depth of 3/32" (3 mm). The bore holes to accommodate the threaded rose reinforcement lugs and retention sleeves have already been prepped using the Template on Page 3 and the Function/Bore Hole Matrix on Page 4. Prep holes are the same for both Inside and Outside door faces.

The remaining material between the recess and the latch surface must be stable enough to insure the hardware can be fastened without exerting pressure on the latch.



**Illustration 6**

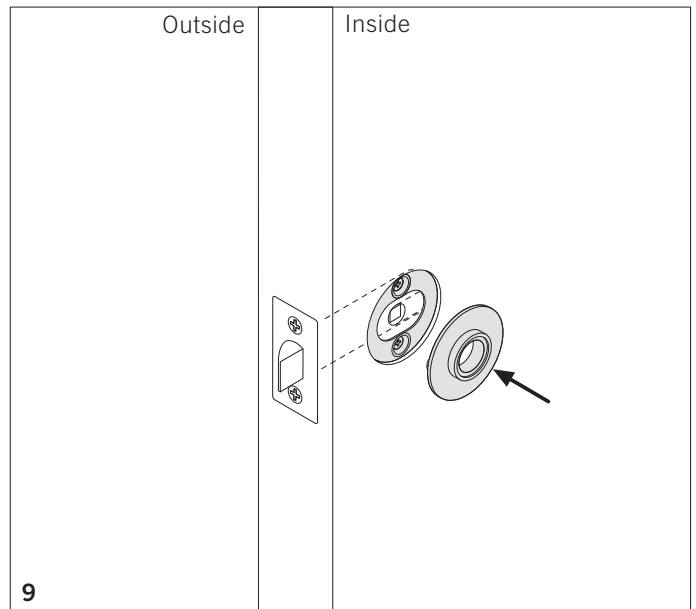
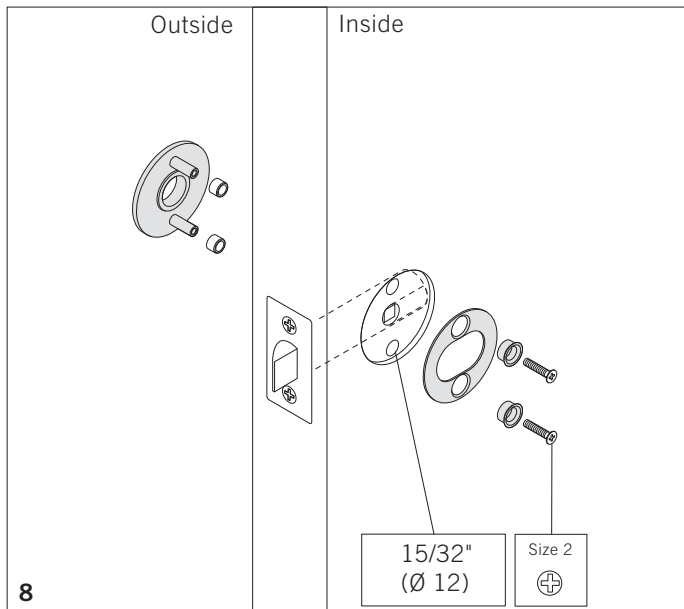
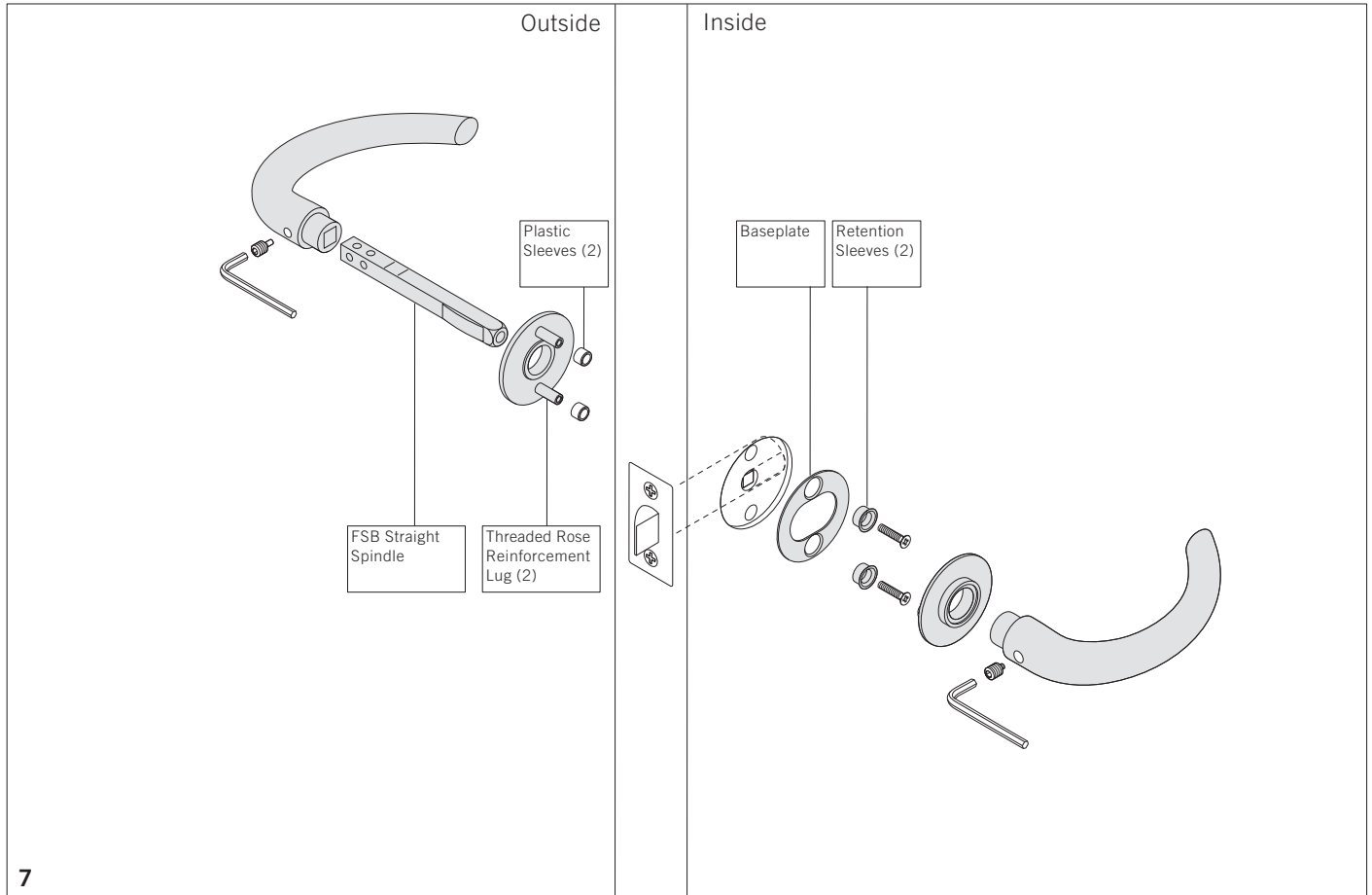
An FSB Milling Template with matching Drilling Jig is available for producing the recesses required for FSB Flush Mounted Roses (order code 0 0462 0004 9600). Two screw clamps are needed for fixing the Milling Template to the door leaf.

To start, position the proper bore hole of the Milling Template over the Lever Spindle Hole already prepared in the door face. Insert the centering pin of the Drilling Jig through the Milling Template bore hole into the Lever Spindle Hub of the latch to properly position the Milling Template. Align the wooden Milling Template

parallel to the door edge and secure to the door leaf using two screw clamps.

Next, remove the Drilling Jig and mill out the recess to a diameter of 2 3/16" (55,6 mm) and a depth of 3/32" (3 mm) using the 3/4" diameter milling cutter and 1 3/16" outside diameter template guide for the router.

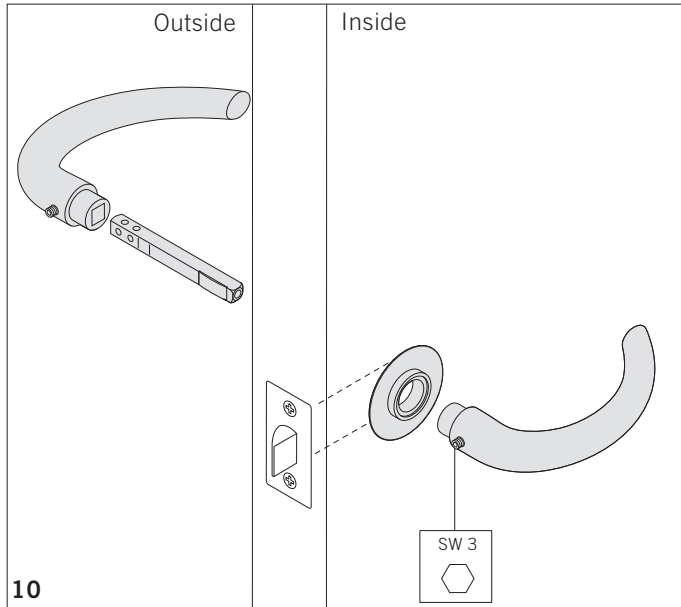
Repeat the procedure on the other side of the door.



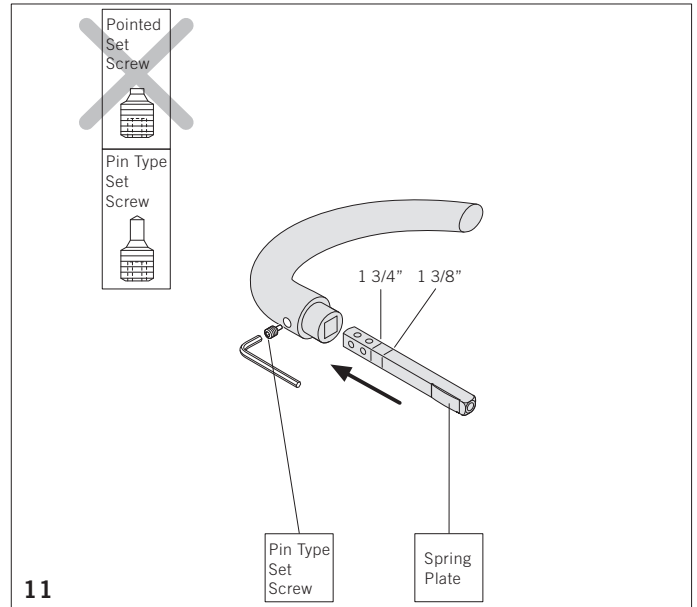
**Illustration 8**  
Slip the plastic sleeves over the threaded rose reinforcement lugs. Insert the threaded rose reinforcement lugs into the 15/32" (12 mm) diameter boreholes in the areas routed out on the outside face of the door. Then insert the baseplate and retention sleeves into the

15/32" (12 mm) diameter boreholes in the areas routed out on the inside face of the door. Secure the two sides together with the M4 screws provided. No pressure must be exerted on the latch when screwing the two parts together.

**Illustration 9**  
Press the clip-on flush rose into the retention sleeves to secure, ensuring that the perimeter of the area routed out is not damaged in the process.

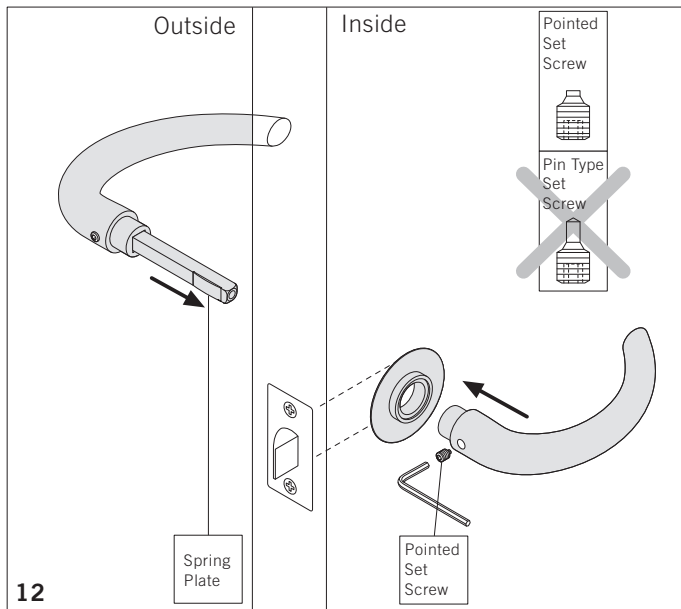


**Illustration 10**  
For latch Function C (Passage) an FSB Straight Spindle must be used.



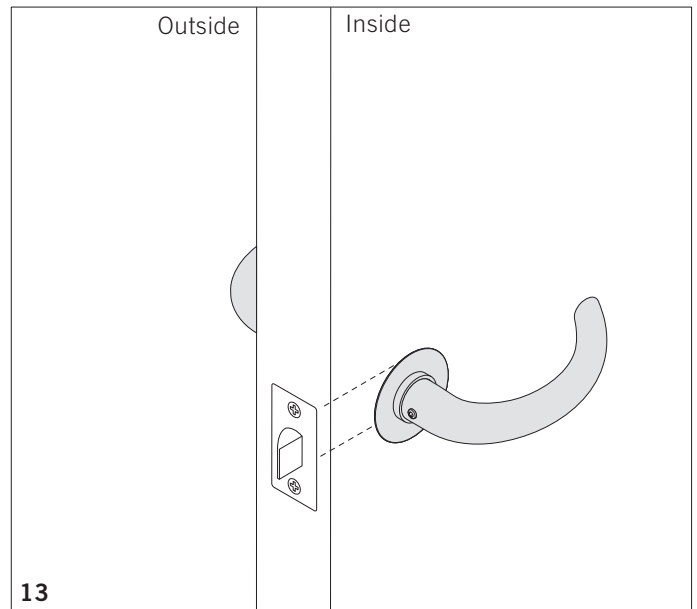
**Illustration 11**  
Insert the pin hole end of the FSB straight spindle into the neck of an FSB lever up to the line indicating the proper door thickness. The spring plate on the opposite end of the spindle must be facing the same direction as the set screw in the lever as shown in the illustration. Then insert and tighten the pin type set screw (supplied with the straight spindle) until the head of the set screw is flush with the surface of the lever shank. Ensure that the spring plate

on the spindle is facing the edge of the door to receive the opposite lever and pointed set screw.

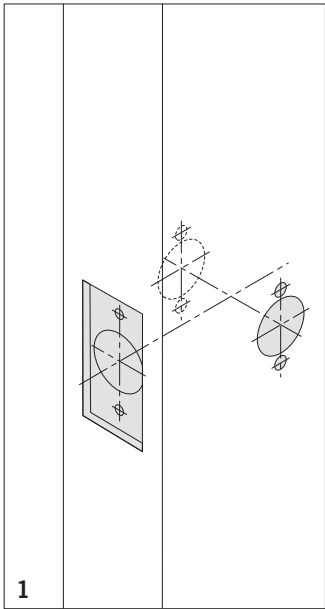


**Illustration 12**  
Insert the FSB lever/spindle assembly through the lever hub of latch and attach the second FSB lever on the opposite side of the door. Insert and tighten the pointed set screw (as supplied) until the head of the set screw is flush with the surface of the lever shank.

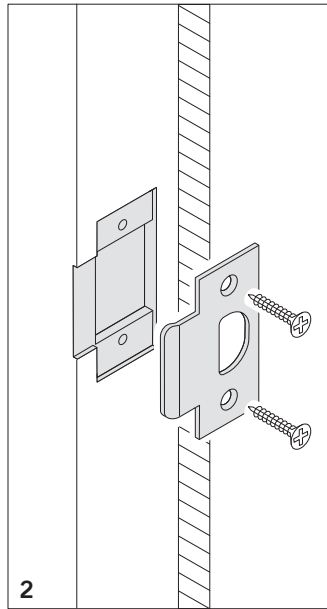
**Ensure that the pointed set screw has punched the steel spring plate on the spindle.** Note that the set screw will meet resistance as it presses against the steel spring plate. Continue to tighten until the pointed set screw punctures the steel spring plate.



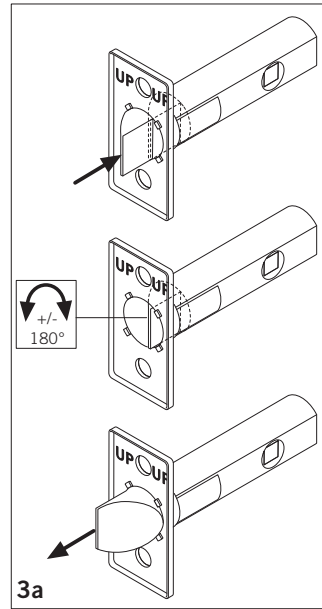
**Illustration 13**  
Verify the proper functioning of the lever handles with the Series HLL 7130 Heavy Duty Lever Latch.



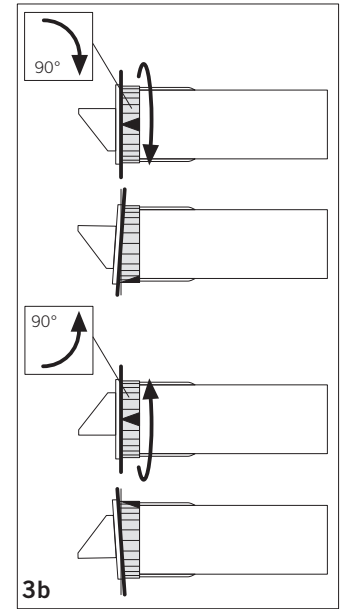
**Illustration 1**  
Prepare door using the proper FSB drilling template for Series HLL 7010 Latch, Function CU, Trim Set RA.



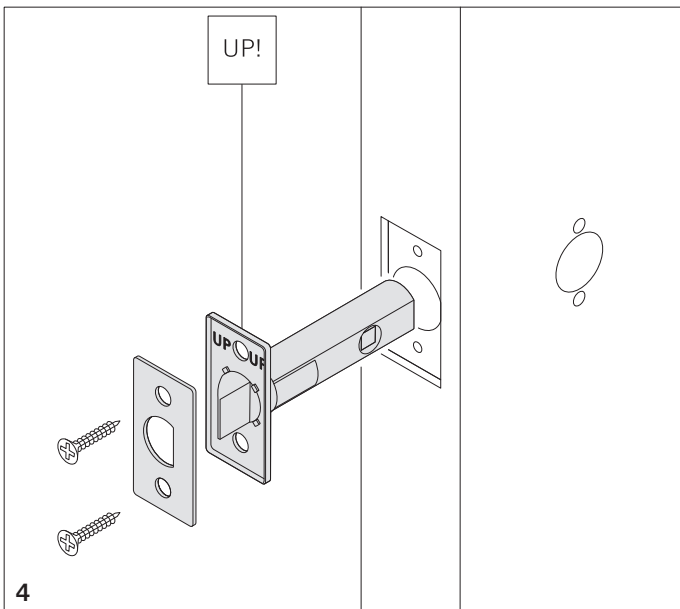
**Illustration 2**  
Prepare frame using the proper FSB Strike installation template for the HL 1001 Strike and install with two screws as illustrated.



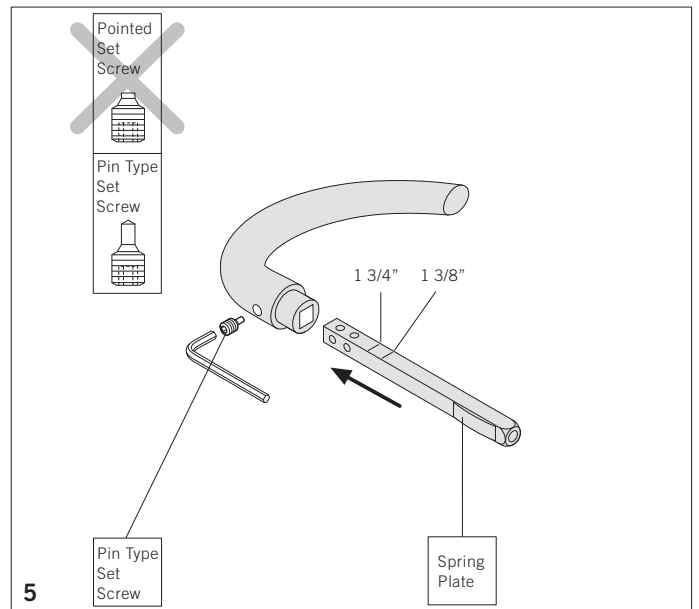
**Illustration 3a**  
Adjust latch bolt for right or left hand door by pushing it inside the latch and rotating.



**Illustration 3b**  
Adjust latch front for flat or bevel edged door by rotating the red adjustment ring as illustrated.



**Illustration 4**  
Insert latch into door preparation and secure using two screws through the face plate. Ensure the proper orientation (UP) of the front plate as illustrated.

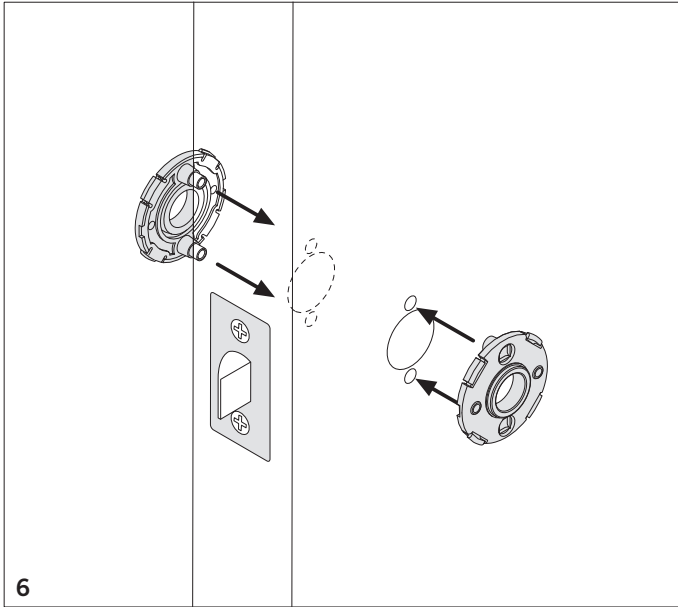


**Illustration 5**  
Insert the pin hole end of the FSB straight spindle into the neck of an FSB lever handle up to the line indicating the proper door thickness. The spring plate on the opposite end of the spindle must be facing the

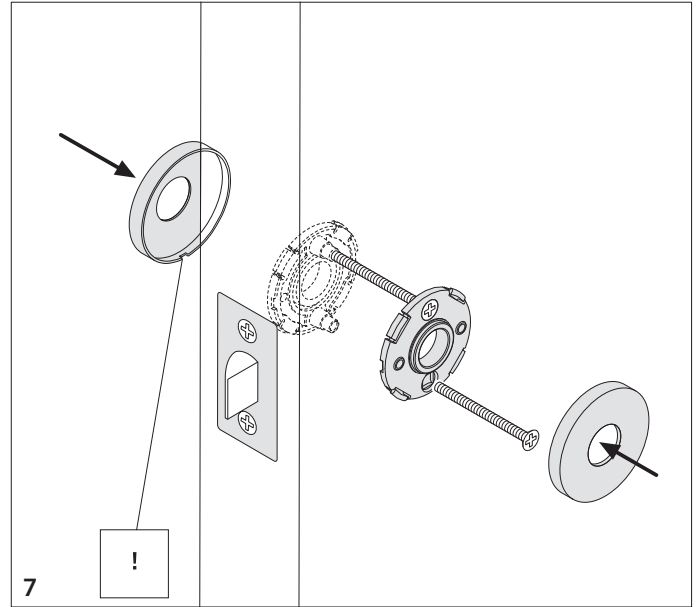
same direction as the set screw in the lever handle as shown in the illustration. Then insert and tighten the pin type set screw (supplied with the straight spindle) until the head of the set screw is flush with the

surface of the lever handle shank. Ensure that the spring plate on the spindle is facing the edge of the door to receive the opposite lever handle and pointed set screw.





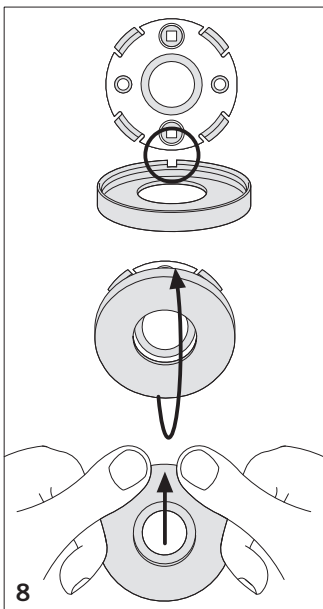
**Illustration 6**  
Proper orientation of the sub-roses is very important. Install the steel sub-roses on both sides of the door.



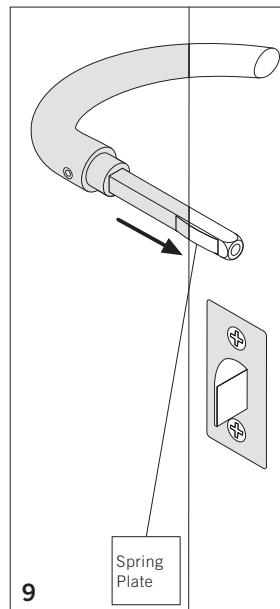
**Illustration 7**  
Fasten the two machine screws provided from the sub-rose without threaded inserts through the door and engage the threads of the opposite sub-rose as illustrated. Prior to fully tightening the sub-roses,

use the lever/spindle assembly as a tool to center the sub-roses. Insert the lever/spindle assembly through the latch hub and move the sub-roses as required to make sure they are centered with respect to the

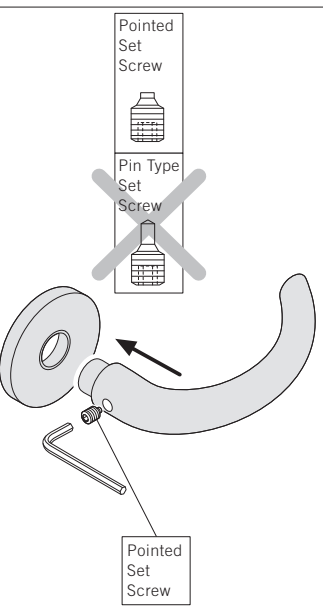
latch hub (to avoid binding). The lever neck should slide freely into the sub-rose on each side. Once the sub-roses are properly centered, tighten the machine screws.



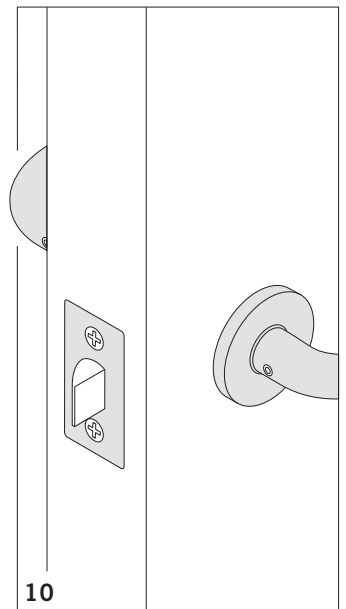
**Illustration 8**  
Attach the 55 mm x 7 mm decorative rose at the bottom of each sub-rose and press on to cover as illustrated.



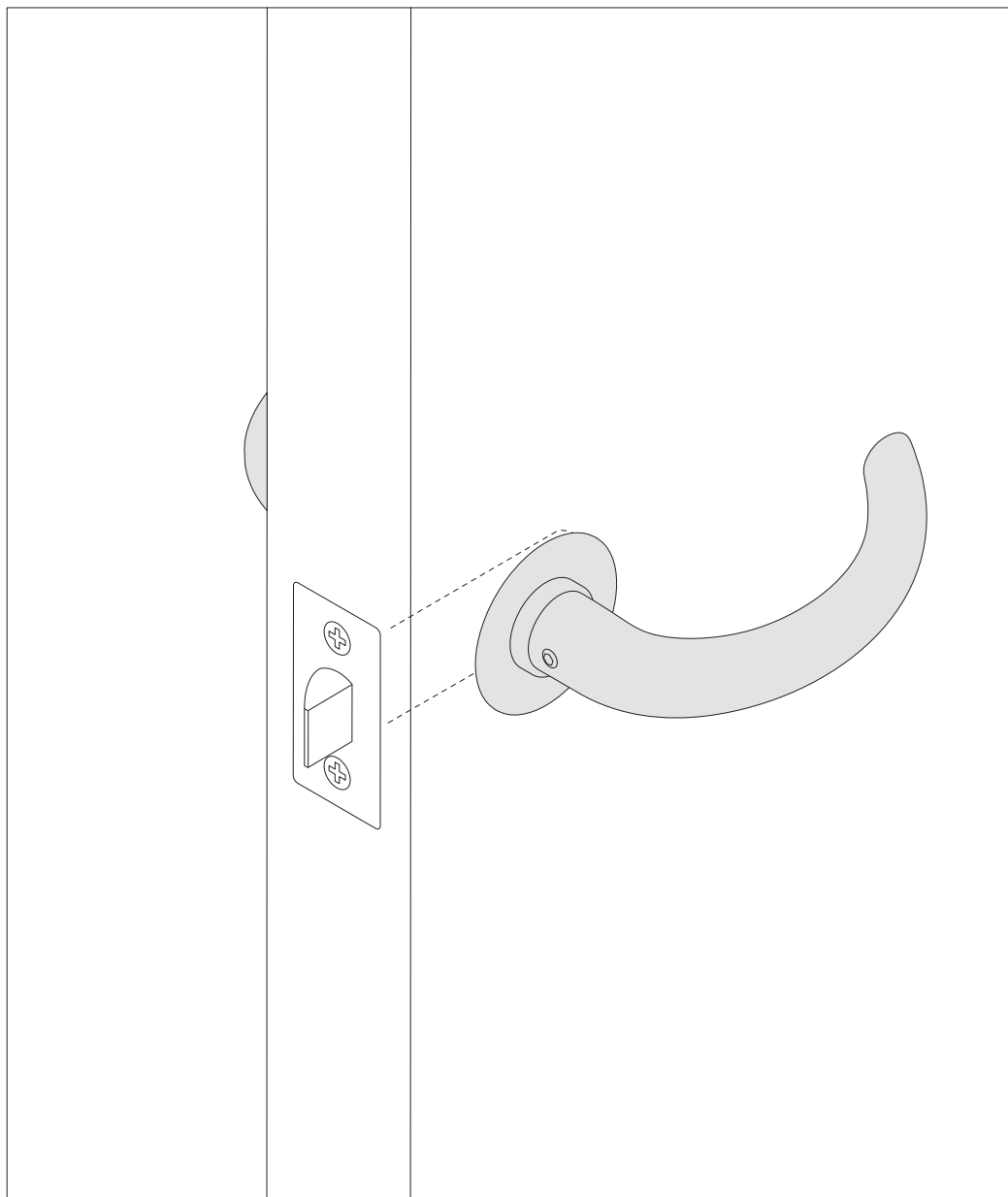
**Illustration 9**  
Insert the FSB lever handle/spindle assembly through the latch and attach the second FSB lever handle on the opposite side of the door. Insert and tighten the pointed set screw (supplied with the lever handle) until the head of the set screw is flush with the surface of the



lever handle shank. **Ensure that the pointed set screw has punched the steel spring plate on the spindle.** Note that the set screw will meet resistance as it presses against the steel spring plate. Continue to tighten until the pointed set screw punctures the steel spring plate.



**Illustration 10**  
Verify the proper functioning of the lever handles with the latch. If necessary, dis-assemble and re-center the sub-roses to ensure proper function without binding.



Attaining the modern design aesthetic and elegant look of FSB Flush Rose Hardware requires both the best hardware as well as the best door preparation available. These Installation Instructions provide a step by step guide for the proper door preparation and hardware installation/ assembly required.

The Installation Instructions will be presented in 4 specific steps:

**Step 1, Preparing the Door**

The door must first be prepared with the mortise pocket for the FSB lock/latch, and the proper face bore holes to utilize the Milling Template/Drilling Jig for the specific function required. Use the Template on Page 3 and the Function/Bore Hole Matrix on Page 4 of this publication.

**Step 2, Installation of the FSB Lock or Latch**

The FSB lock/latch must be properly installed in the mortise pocket in the door. Instructions follow on subsequent pages.

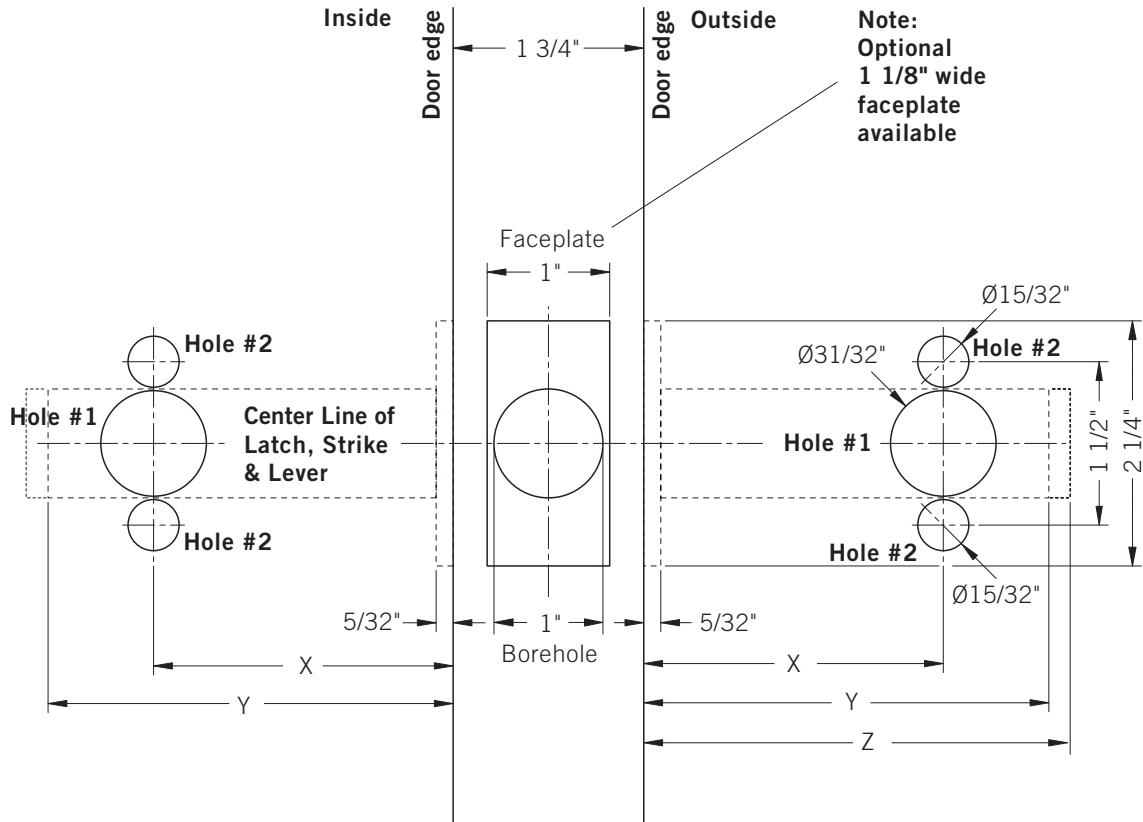
**Step 3, Using the Milling Template/Drilling Jig for Flush Rose Prep**

Tools required for milling and routing the FSB Flush Rose prep are: FSB Milling Template; FSB Drilling Jig; Drill; Router with 3/4" diameter milling cutter and a 1 3/16" outside diameter template guide. Instructions follow on subsequent pages.

**Step 4, Installation/Assembly of Flush Rose Trim/Hardware**

Flush Rose Trim is easily installed for all FSB lock and latch functions using a Phillips Head screwdriver and a 3mm wide Allen Key Wrench by following instructions on subsequent pages.

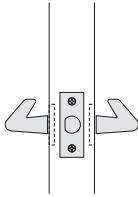

The FSB Flush Rose Trim is only offered for 1 3/4" thick doors. Please insure that the door thickness is a full 1 3/4", not nominal. You must also insure that the door is constructed of solid derived timber products such as laminated wood panels, multiplex, plywood or solid wood. Always make sure that the residual material between the lock/latch case is strong enough to allow reliable and secure screw connection without exerting pressure on the lock or latch.

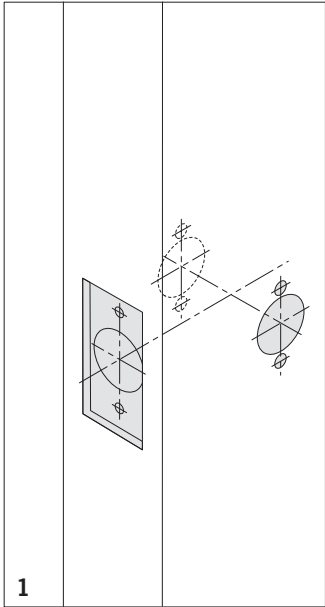


**Legend**

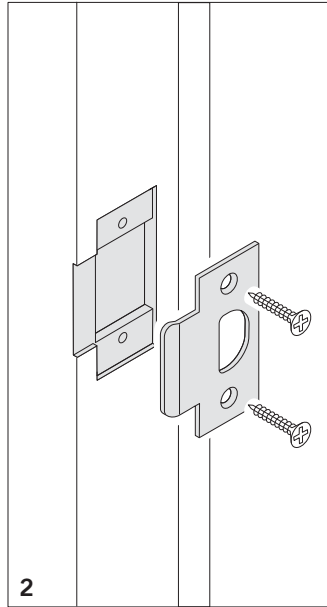
Backset X	Case Depth Y	Bore Depth Z
2 3/8"	3 11/32"	3 15/32"
2 3/4"	3 23/32"	3 27/32"

<b>Hole #1</b>	Lever/Knob	Inside/Outside
<b>Hole #2</b>	Through Bolt	Inside/Outside

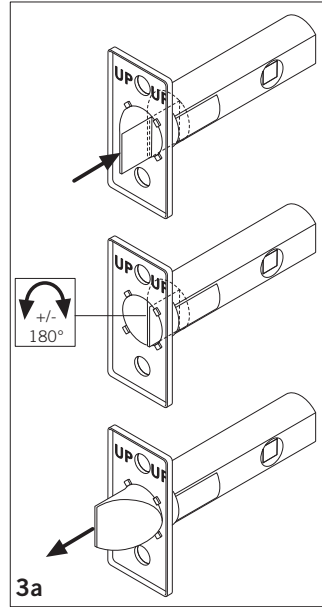
Function		CU						
FSB 7010 Heavy Duty Lever Latch								
Spindle								
<b>Step 1</b>								
Inside	Hole #1	X						
	Hole #2	X						
Outside	Hole #1	X						
	Hole #2	X						
<b>Step 3</b>								
further door preparation, see page		7						
<b>Step 4</b>								
Assembly, see page		8, 9						



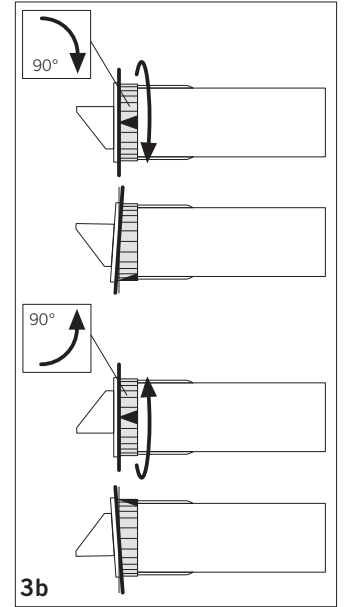
**Illustration 1**  
Prepare door using the proper FSB drilling template for Series HLL 7010 Latch, Function CU as found on Page 3.



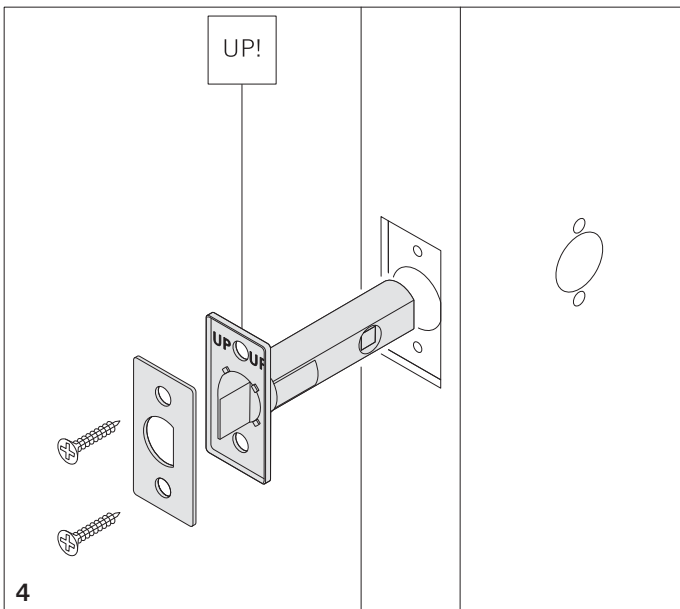
**Illustration 2**  
Prepare frame using the proper FSB Strike installation template for the HLL 1001 Strike and install with two screws as illustrated.



**Illustration 3a**  
Adjust latch bolt for right or left hand door by pushing it inside the latch and rotating.



**Illustration 3b**  
Adjust latch front for flat or bevel edged door by rotating the red adjustment ring as illustrated.



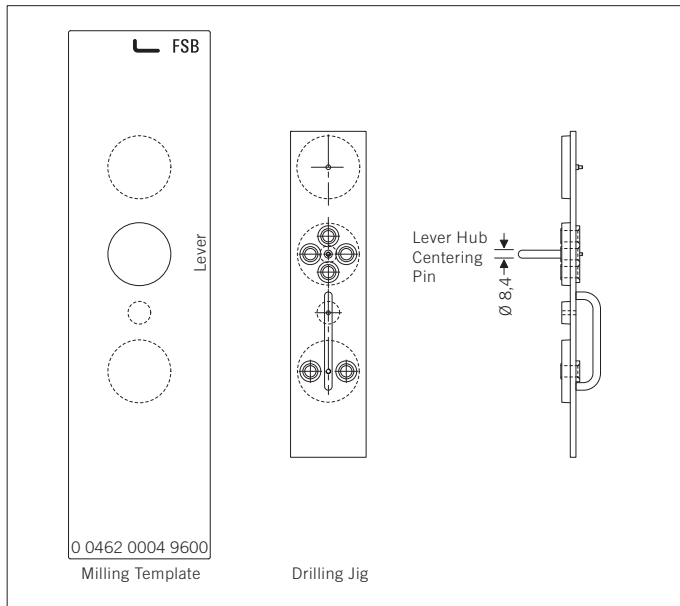
**Illustration 4**  
Insert latch into door preparation and secure using two screws through the face plate. Ensure the proper orientation (UP) of the front plate as illustrated.

The Milling Template and Drilling Jig will be used together to make the through-bolt holes to accommodate the "retention sleeves" and to mill out the recesses required to install the Flush Rose Trim.

Prior to using the Milling Template and Drilling Jig, the initial door prep must be done for the Lever Latch body and the face bore holes required for Function CU (Passage).

The Milling Template must always be installed parallel to the door edge and centered over the proper backset required. A removable "Centering Pin" is installed in the Drilling Jig and then inserted into the Lever Hub of

the latch to position the Milling Template properly for the Passage application.

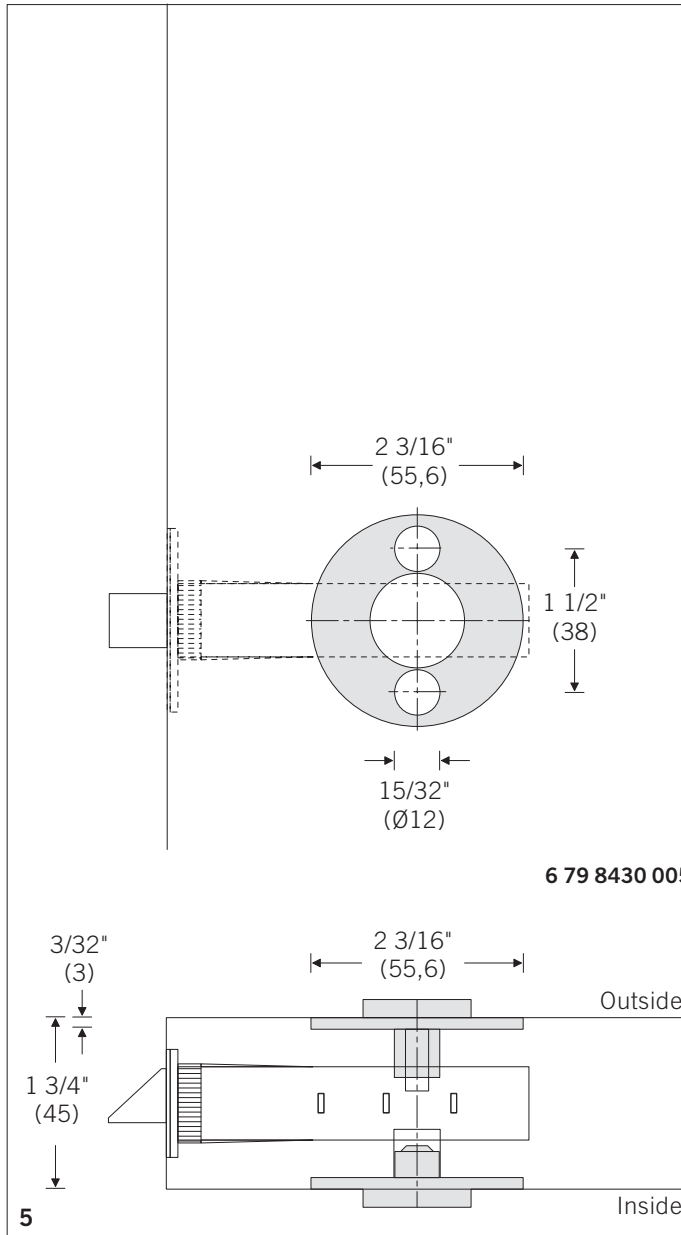


**Lever Holes**

**For Lever**

- Position the pin  $\varnothing 8,4$  mm as shown on the left and install by screwing into the threaded inserts on the back of the Drilling Jig.
- Center the Milling Template over the face bore holes at the proper backset and position parallel to the edge of the door.
- Insert the centering pin of the Drilling Jig through the Milling Template into the lever hub hole.

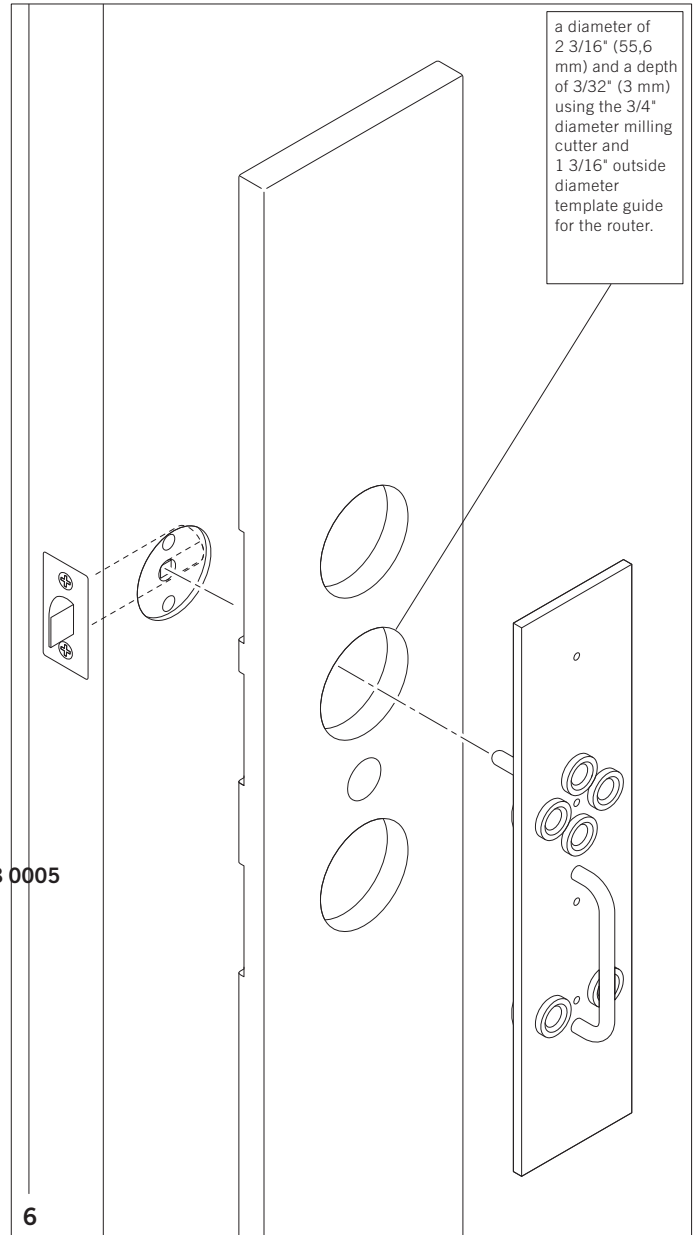
- This will put the Milling Template in the proper position on the door.
- The Milling Template must be parallel to the door edge.
- Secure the Milling Template to the door using two Screw Clamps, then remove the Drilling Jig.
- Follow "Step 3 - Using the Milling Template/Drilling Jig For Flush Rose Prep" for drilling and milling recesses.



**Illustration 5  
Lever Rose Prep**

The Flush Rose recesses must be 2 3/16" (55,6 mm) in diameter and be centered on the Lever Spindle Hub of the latch (this will be accomplished by using the Milling Template). They are to be cut to a depth of 3/32" (3 mm). The bore holes to accommodate the threaded rose reinforcement lugs and retention sleeves have already been prepped using the Template on Page 3 and the Function/Bore Hole Matrix on Page 4. Prep holes are the same for both Inside and Outside door faces.

The remaining material between the recess and the latch surface must be stable enough to insure the hardware can be fastened without exerting pressure on the latch.



**Illustration 6**

An FSB Milling Template with matching Drilling Jig is available for producing the recesses required for FSB Flush Mounted Roses (order code 0 0462 0004 9600). Two screw clamps are needed for fixing the Milling Template to the door leaf.

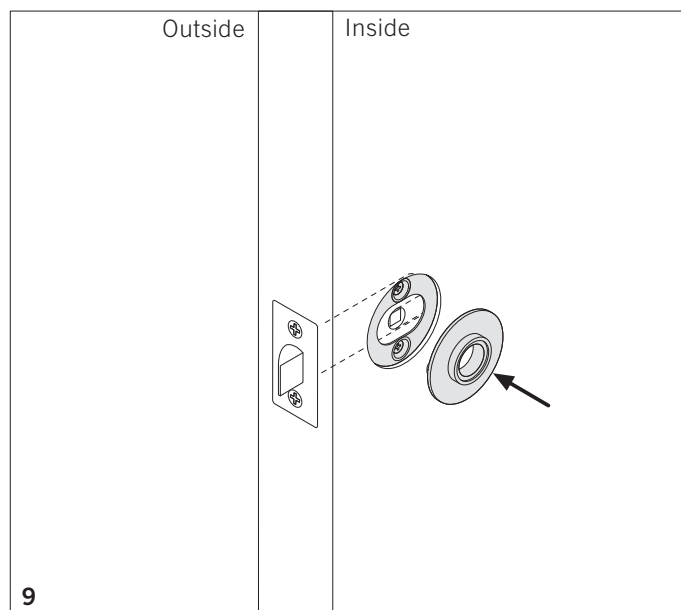
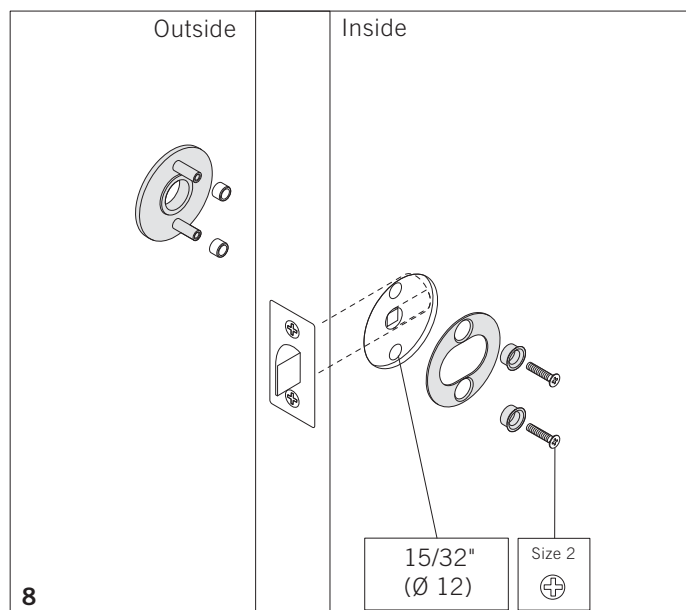
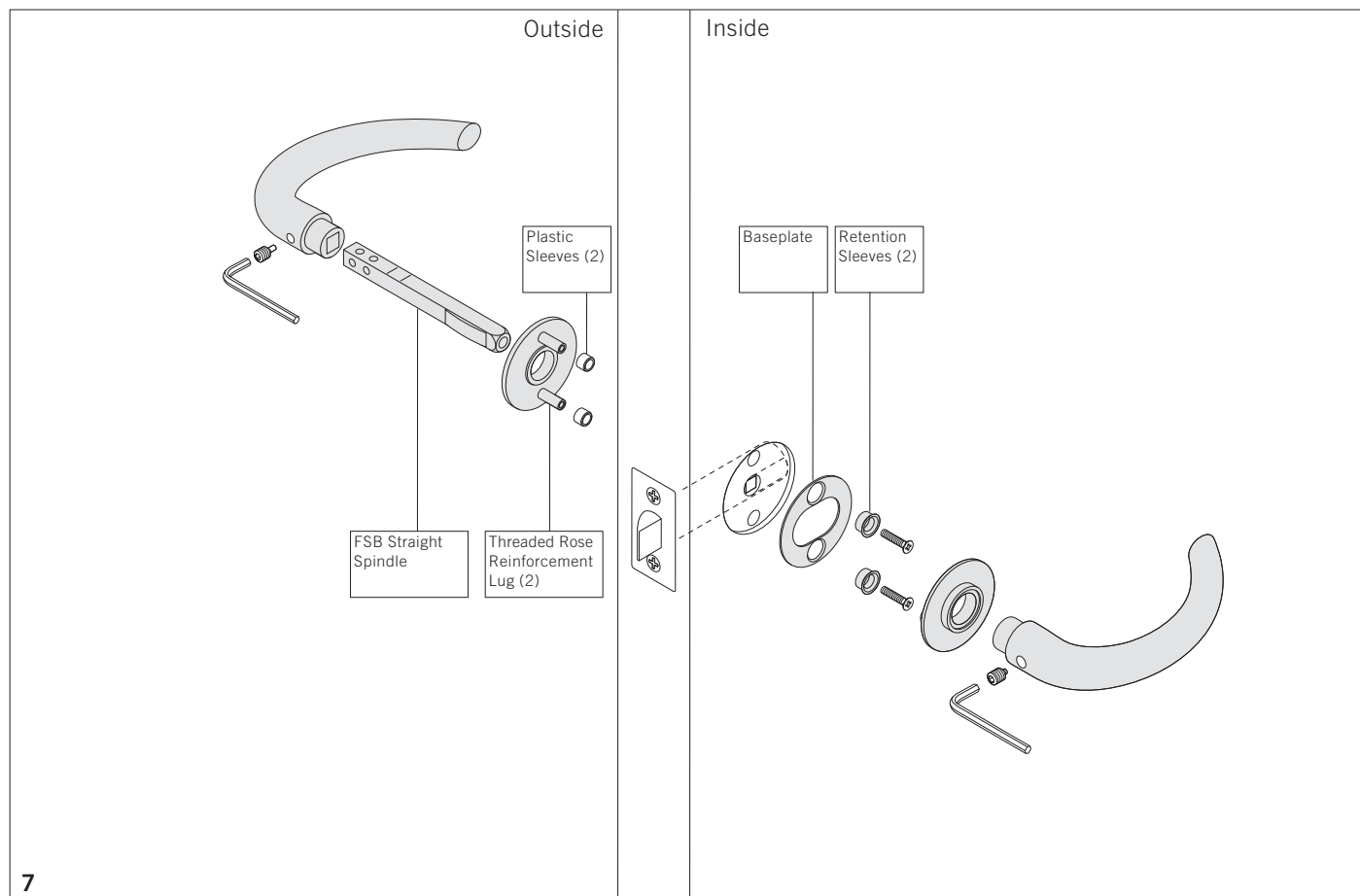
To start, position the proper bore hole of the Milling Template over the Lever Spindle Hole already prepared in the door face. Insert the centering pin of the Drilling Jig through the Milling Template bore hole into the Lever Spindle Hub of the latch to properly position the Milling Template. Align the wooden Milling Template

parallel to the door edge and secure to the door leaf using two screw clamps.

Next, remove the Drilling Jig and mill out the recess to a diameter of 2 3/16" (55,6 mm) and a depth of 3/32" (3 mm) using the 3/4" diameter milling cutter and 1 3/16" outside diameter template guide for the router.

Repeat the procedure on the other side of the door.





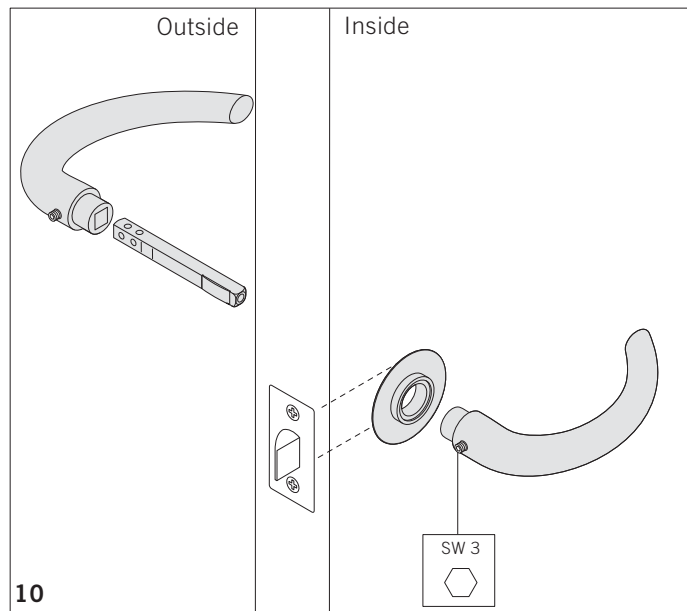
**Illustration 8**

Slip the plastic sleeves over the threaded rose reinforcement lugs. Insert the threaded rose reinforcement lugs into the 15/32" (12 mm) diameter boreholes in the areas routed out on the outside face of the door. Then insert the baseplate and retention sleeves into the

15/32" (12 mm) diameter boreholes in the areas routed out on the inside face of the door. Secure the two sides together with the M4 screws provided. No pressure must be exerted on the latch when screwing the two parts together.

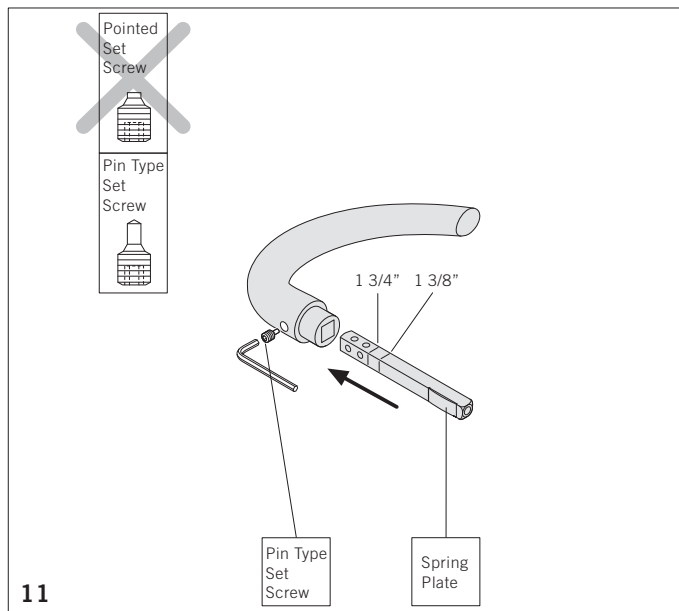
**Illustration 9**

Press the clip-on flush rose into the retention sleeves to secure, ensuring that the perimeter of the area routed out is not damaged in the process.



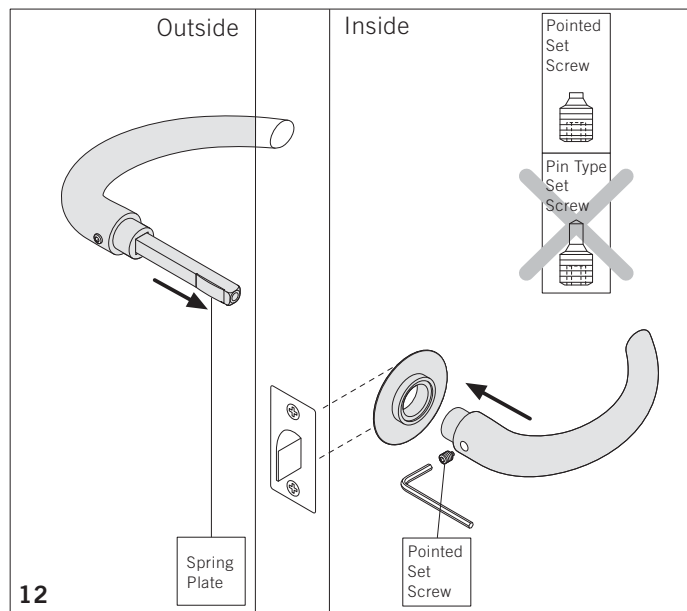
**Illustration 10**  
For latch Function CU (Passage) an FSB Straight Spindle must be used.

**Illustration 11**  
Insert the pin hole end of the FSB straight spindle into the neck of an FSB lever up to the line indicating the proper door thickness. The spring plate on the opposite end of the spindle must be facing the same direction as the set screw in



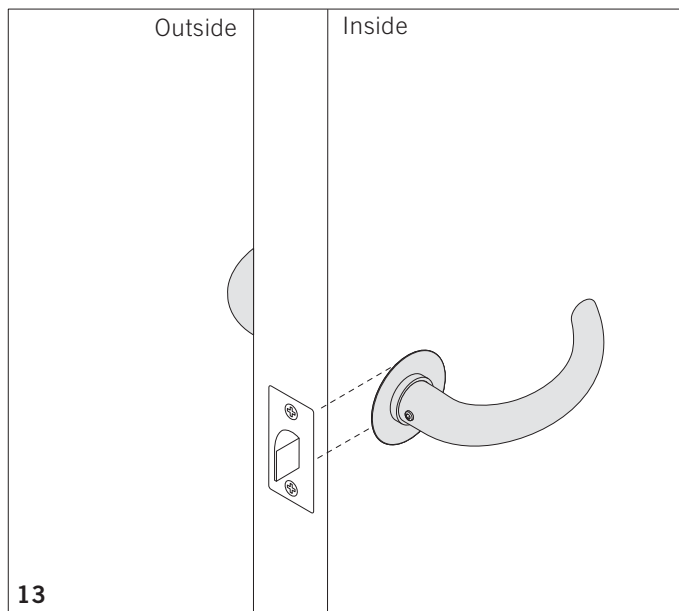
the lever as shown in the illustration. Then insert and tighten the pin type set screw (supplied with the straight spindle) until the head of the set screw is flush with the surface of the lever shank. Ensure that the spring plate

on the spindle is facing the edge of the door to receive the opposite lever and pointed set screw.



**Illustration 12**  
Insert the FSB lever/spindle assembly through the lever hub of latch and attach the second FSB lever on the opposite side of the door. Insert and tighten the pointed set screw (as supplied) until the head of the set screw is flush with the surface of the lever shank.

**Ensure that the pointed set screw has punched the steel spring plate on the spindle.** Note that the set screw will meet resistance as it presses against the steel spring plate. Continue to tighten until the pointed set screw punctures the steel spring plate.



**Illustration 13**  
Verify the proper functioning of the lever handles with the Series HLL 7010 Heavy Duty Lever Latch.