

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

OVERVIEW

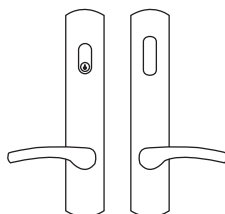
TOOLS REQUIRED

- Drill
- 1/4" Drill Bit
- Slotted Screwdriver
- Rocky Mountain Hardware Mounting Template (Recommended)
- Vix Bit

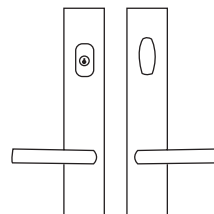
PARTS INCLUDED

1. Assembled Interior Escutcheon
2. Assembled Exterior Escutcheon
3. Key Cylinder and Tailpiece with key (Pre-assembled)
4. 7 mm Spindle
5. 8-32 Threaded Inserts
 - (4) Entrance Grip Full Length
 - (1) Fleur de Lis Only Lever Set
6. Short Oval Head Machine Screws
 - (4) Full Length Entrance Grip
 - (1) Fleur de Lis Entry Set
7. (2) Machine Screws
8. (2) Binder Post

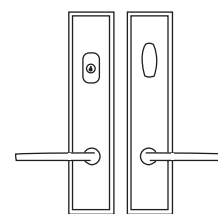
Ø 2-1/8" Crossbore Recommended



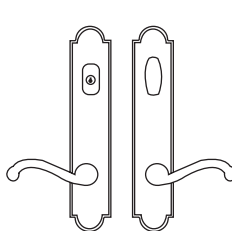
Curved Entry Set



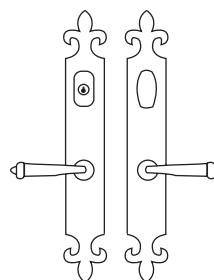
Rectangular Entry Set



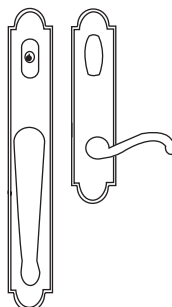
Stepped Entry Set



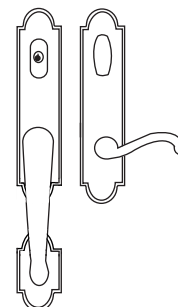
Arched Entry Set



Fleur de Lis Entry Set



Full Length Entrance Grip Entry Set

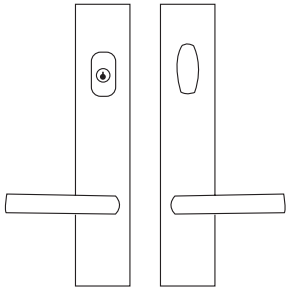


Sectional Entrance Grip Entry Set

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

1. DETERMINE WHICH STYLE OF ROCKY MOUNTAIN HARDWARE YOU ARE INSTALLING

TYPE I

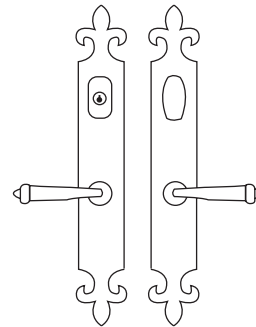


Arched, Curved,
Rectangular, or
Stepped Lever
Set

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Ø 2-1/8" Crossbore

TYPE II

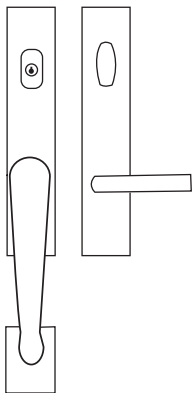


Fleur de Lis
Lever Set

Page 5

Ø 2-1/8" Crossbore

TYPE III

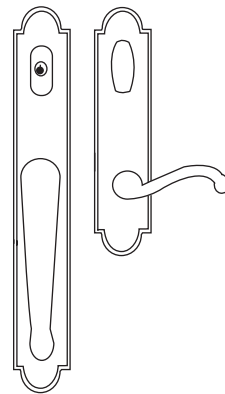


Arched, Curved,
Rectangular,
or Stepped
Sectional
Entrance Grip

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Ø 2-1/8" Crossbore

TYPE IV



Arched, Curved,
Rectangular,
Stepped, or
Fleur de Lis Full
Length Entrance
Grip

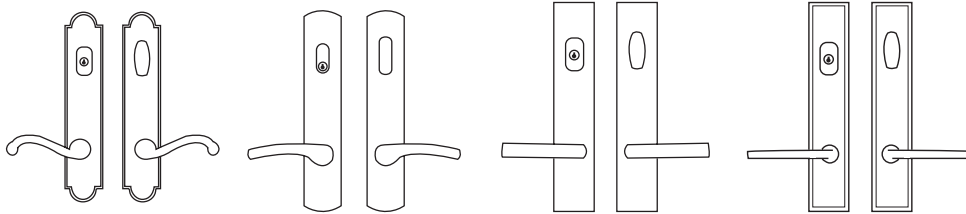
Page 9

Ø 2-1/8" Crossbore

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

TYPE I

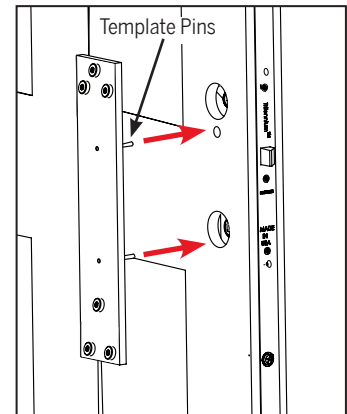
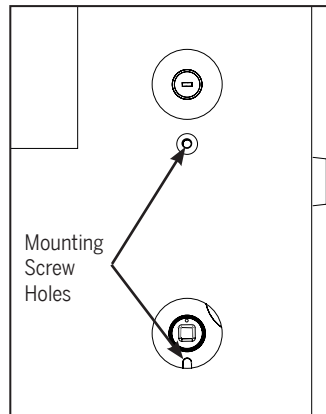
Arched, Curved, Rectangular, or Stepped Lever Set



1. INSTALL ROCKY MOUNTAIN HARDWARE MOUNTING TEMPLATE

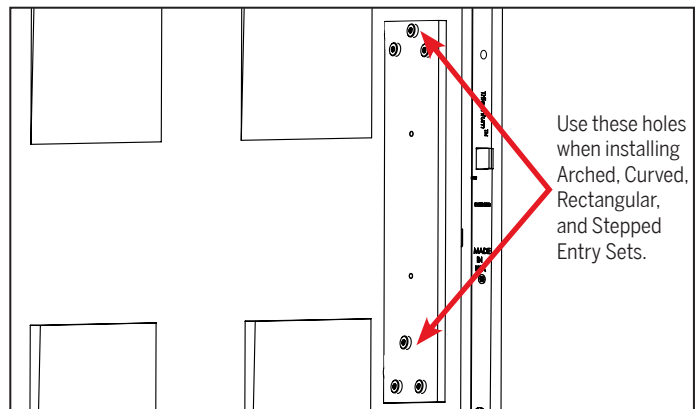
A. Position mounting template to the door.

- Align Rocky Mountain Hardware template pins with the mounting screw holes in the body of the Trilennium Multi-Point Lock.
- Once the Rocky Mountain Hardware Template is in place, use a 1/4" bit to drill holes for mounting the hardware.



CAUTION:

- Recommended:** Drill approximately halfway through the door on one side. Remove template and repeat from other side.
- When installing the Arched, Curved, Rectangular, or Stepped Escutcheon, use the two holes on the center line of the template.



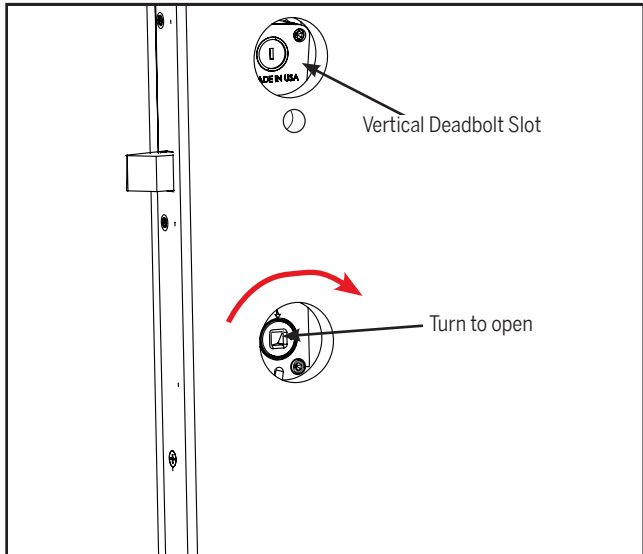
Use these holes when installing Arched, Curved, Rectangular, and Stepped Entry Sets.

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

2. ENTRY SET PRE-INSTALLATION SET UP

A. Check hardware in door for alignment.

- Door panel should be open. If not, rotate interior lever actuator hub with flat head screwdriver, turning away from the edge of the door panel.
- Ensure deadbolt slot is in vertical position.
- Ensure latches are in latched position. The latches should be so they can be easily pushed in by hand.
- If the latches cannot be depressed, unlock the door by rotating the deadbolt drive slot using the cylinder tailpiece, turning away from door edge.



3. LEVER SET INSTALLATION

A. Install exterior escutcheon first, then hold in place.

Ensure that:

- The cylinder tailpiece projects through the deadbolt hub slot and is close to flush with the surface of the door panel (trim as necessary)
- The lever spindle mates to the lever hub of Trilennium Multi-Point Lock.
- The escutcheon is parallel to panel edge.

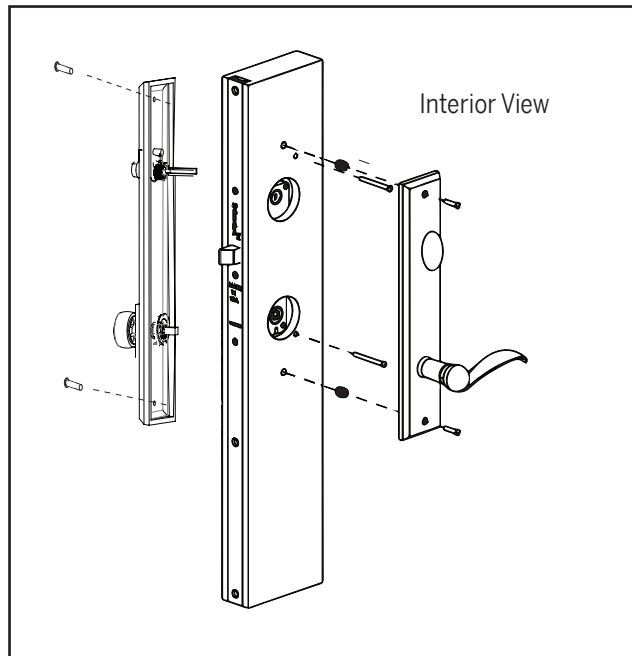
B. Install the interior escutcheon.

Ensure that:

- The cylinder tailpiece mates with the thumb turn slot.
- The spindle mates to the lever hub.

Secure plates by inserting and hand tightening the (2) #8 mounting screws.

- 2" long for 1-3/4" doors.
- 2-1/2" long for 2-1/4" doors.

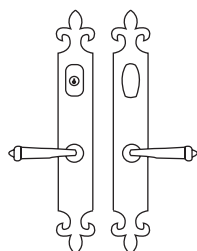


Check handle's function (See Page 11) before you fully tighten the handle set to the door.

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

TYPE II

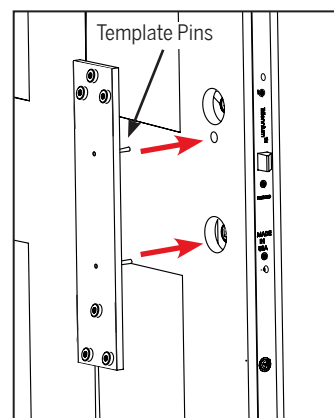
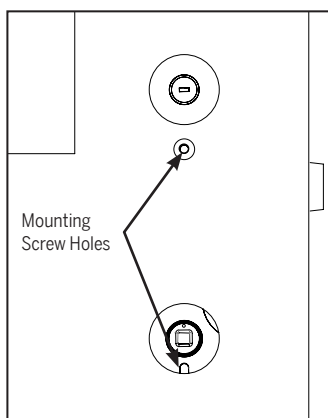
Fleur de Lis Lever Set



1. INSTALL ROCKY MOUNTAIN HARDWARE MOUNTING TEMPLATE

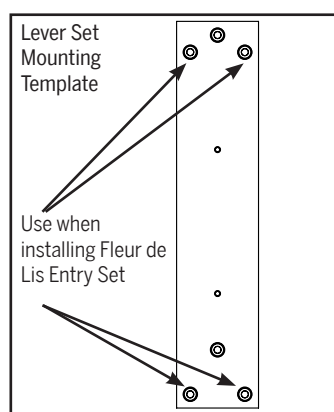
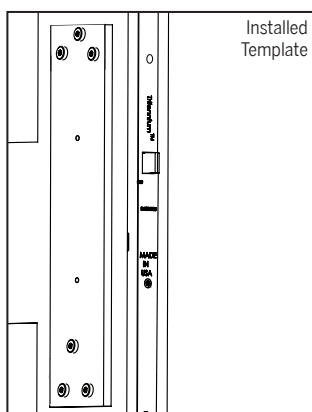
A. Position mounting template to the door.

- Align Rocky Mountain Hardware Template's pins with the mounting screw holes in the body of the Trilennium Multi-Point Lock.
- Once the Rocky Mountain Hardware Template is in place, use a 1/4" bit to drill holes for the mounting hardware.



⚠ CAUTION:

- Recommended:** Drill approximately halfway through the door. Remove template and repeat from other side.
- When Installing the Fleur de Lis Entry set use the four holes along the edges.



HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

2. FLEUR DE LIS HANDLE SETS INSTALLATION

A. Install the exterior escutcheon first, then hold in place.

- Install an 8-32 Threaded Insert into the top hole closest to the edge on the interior face of the door.
- Install the short (3/4") Binder Post into the exterior escutcheon's top hole closest to the edge of the door.
- Insert 1-1/4" Binder Posts into the exterior escutcheon in the remaining 3 holes.
- Guide Cylinder Tailpiece and Lever Spindle on the exterior escutcheon into the respective hubs in the Trilennium Multi-Point Lock.

Ensure that:

- The cylinder tailpiece projects through the deadbolt hub slot and is close to flush to the door surface (trim as necessary).
- The lever spindle mates to the lever hub of the Trilennium Multi-Point Lock.
- The escutcheon is parallel to the panel edge.

B. Install the interior escutcheon and hold in place.

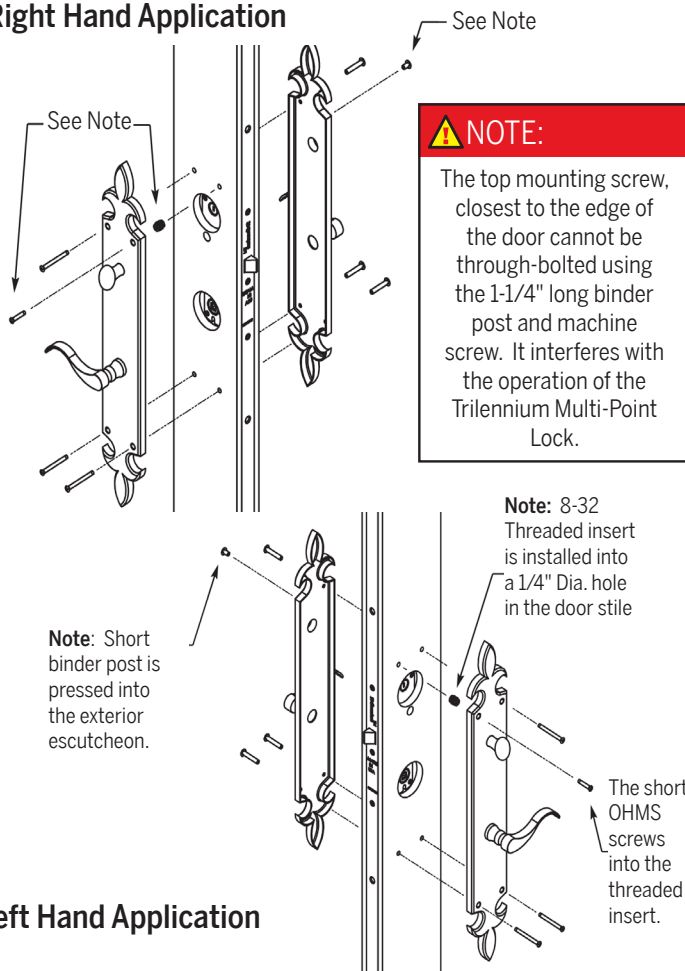
Ensure that:

- The cylinder tailpiece mates with the Thumbturn slot.
- The lever spindle mates to the lever hub of the Trilennium Multi-Point Lock.
- Insert the short (7/8") Oval Head Machine Screw into top mounting screw hole closest to the edge of the door and into the Threaded Insert and loosely tighten. **DO NOT FULLY TIGHTEN.**
- Insert the longer Oval Head Machine Screws into the other 3 mounting holes and loosely tighten. **DO NOT FULLY TIGHTEN.**
- Check the handle set's function (see page 10) before you fully tighten the handle set to the door.
- Once you've checked the function, re-check that the escutcheons are parallel to the panel edge and **hand tighten** snug. **DO NOT OVER-TIGHTEN.**

Additional Parts Included:

- (1) 8-32 Threaded insert
- (1) 7/8" 8-32 Mounting Screw
- (1) 3/4" Binder Post

Right Hand Application

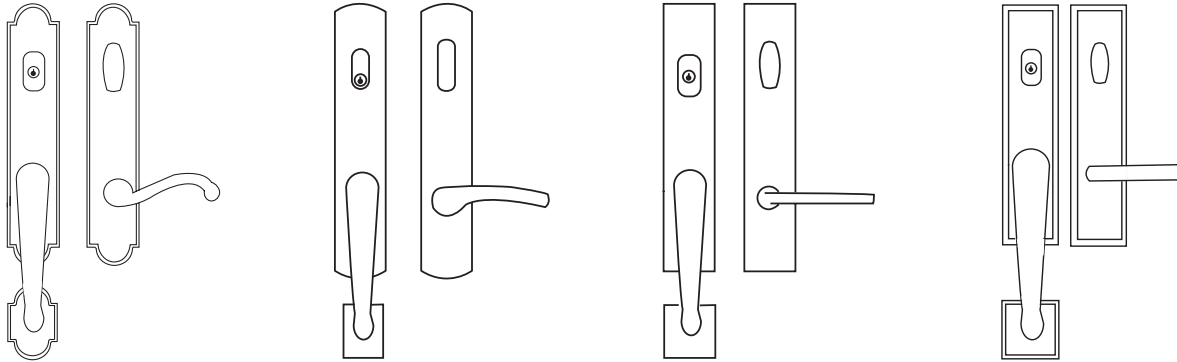


Left Hand Application

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

TYPE III

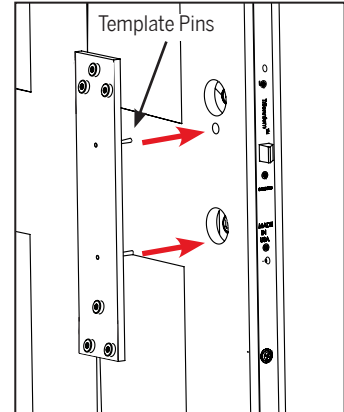
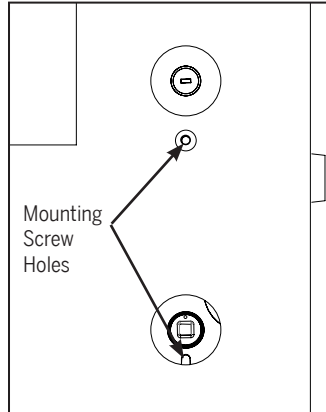
Arched, Curved, Rectangular, or Stepped Sectional Entrance Grip



1. INSTALL ROCKY MOUNTAIN HARDWARE MOUNTING TEMPLATE

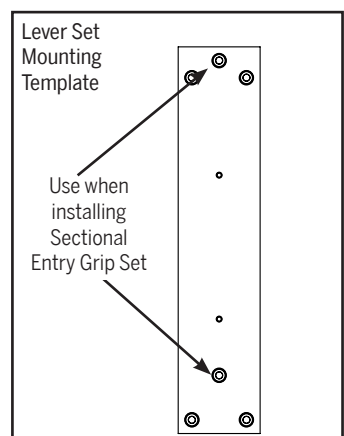
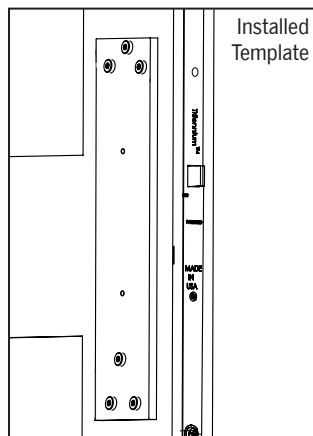
Position mounting template to the door.

- Align Rocky Mountain Hardware Template's pins with the mounting screw holes in the body of the Trilennium Multi-Point Lock.
- Once the Rocky Mountain Hardware Template is in place, use a 1/4" drill bit to drill holes for the mounting hardware.



CAUTION:

- Recommended:** Drill approximately halfway through the door. Remove template and repeat from other side.
- When installing the Sectional Entry Grip set use the two holes on the centerline of the template.



HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

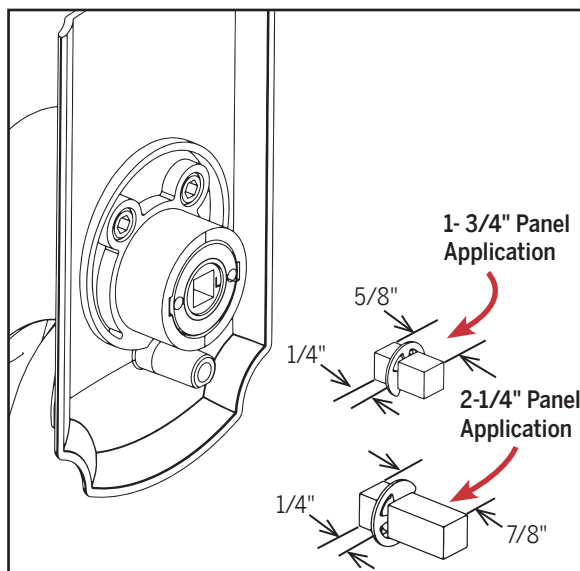
2. ENTRANCE GRIP HANDLES INSTALLATION

A. Install exterior escutcheon first, then hold in place.

- Insert 1-1/4" Binder Posts into the main exterior escutcheon's 2 holes.
- Install the short end of the square drive spindle into the exterior grip assembly, as shown on the right.
- Guide Cylinder Tailpiece and Lever Spindle on the exterior escutcheon into the respective hubs in the Trilennium Multi-Point Lock.

Ensure that:

- The cylinder tailpiece projects through the deadbolt hub slot and is approximately flush to the door surface (trim as necessary).
- The drive spindle mates to the lever hub of the Trilennium Multi-Point Lock.
- The escutcheon is parallel to the panel edge.

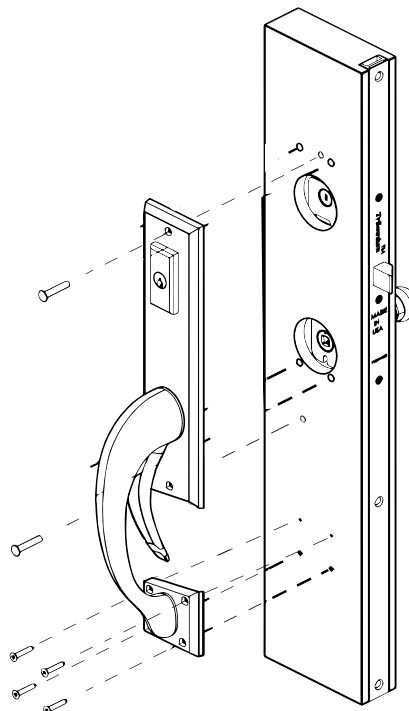


B. Install the interior escutcheon and hold in place.

Ensure that:

- The cylinder tailpiece mates with the thumb-turn slot.
- The lever spindle mates to the lever hub of the Trilennium Multi-Point Lock.
- Insert the Oval Head Machine Screws into the 2 mounting holes and loosely tighten. **DO NOT FULLY TIGHTEN.**
- Check the handle set's function (see page 10) before you fully tighten the handle set to the door.
- Once you have checked the function, re-check that the escutcheons are parallel to the panel edge and **hand tighten** snug. **DO NOT OVER-TIGHTEN**
- Using a Vix bit, drill pilot holes for the 4 screws holding the small plate at the bottom of the exterior grip.
- Install the 4 short Oval Head Wood Screws directly into the door.

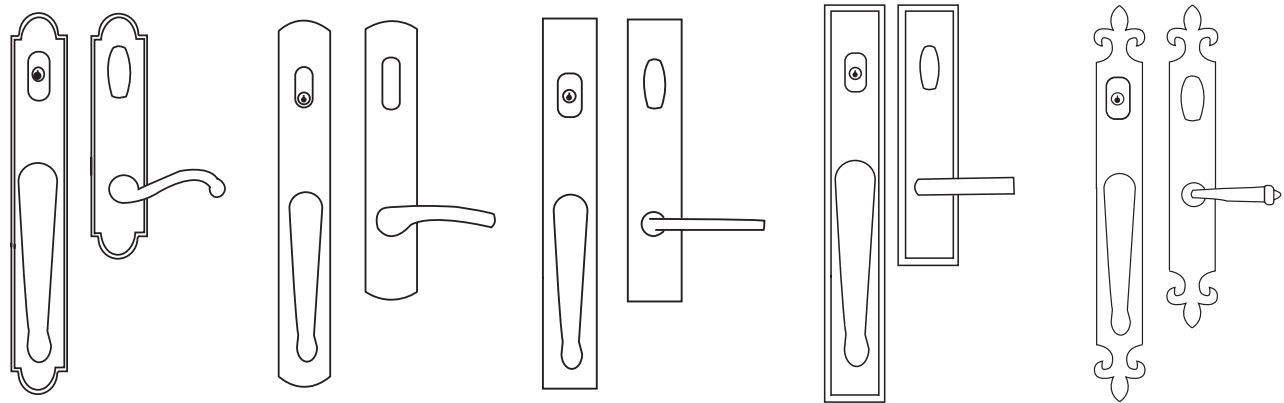
Exterior Application



HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

TYPE IV

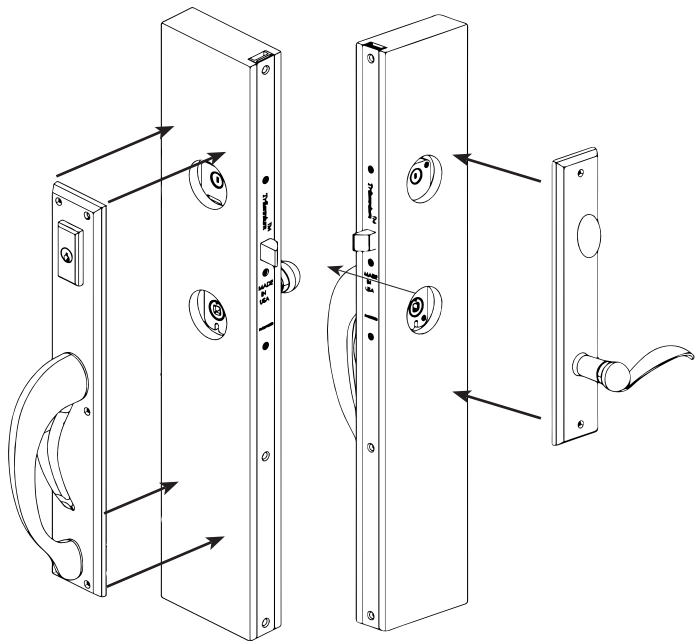
Arched, Curved, Rectangular, Stepped, or Fleur de Lis Full Length Entrance Grip



1. DETERMINE THE MOUNTING HOLE LOCATIONS

A. Position exterior escutcheon on the door.

- Locate the Exterior Grip Assembly on the door with the cylinder tailpiece and square drive spindle installed. Hold against the surface of the door
 - Check to be sure the cylinder tailpiece is horizontal (the assembly is very heavy and has a tendency to sag, causing the tailpiece to point upwards)
- Using a Vix bit or small bit, drill pilot holes in the center of the **top** (4) mounting screw locations. Remove the Exterior Grip Assembly.
- Locate the (2) mounting locations that will have threaded inserts. These are the top and center location, **CLOSEST** to the edge of the door. Using a 1/4" bit, drill these holes 3/8" to 1/2" deep and install the threaded inserts flush to the face of the door.
- Locate the (2) mounting locations that will be through-bolted. These are the top and center location, **FURTHEST** from the edge of the door. Using a 1/4" bit, drill these (2) holes through the door.

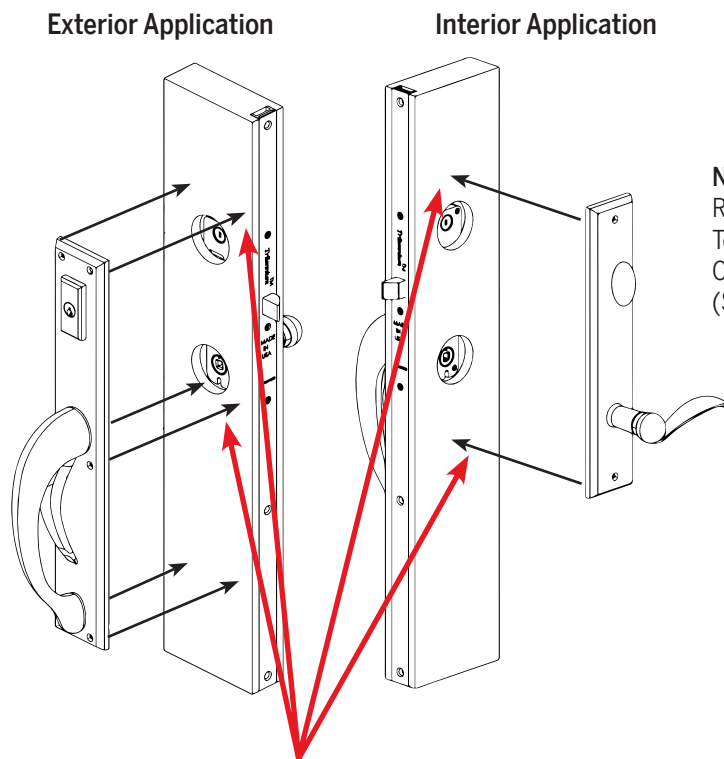


HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

2. FULL LENGTH ENTRANCE GRIP HANDLE INSTALLATION

A. Install exterior escutcheon first, then hold in place.

- Install the Exterior Grip Assembly on the door using the (4) locations from Step 1. DO NOT install the bottom (2) wood screws yet.
 - Check that the Exterior Grip Assembly is parallel to the edge of the door.
- **Hand tighten** the mounting screws and check the function.
- Locate the Interior Lever Assembly with the cylinder tailpiece engaged in the thumbturn and the square spindle in the lever. Hold against the surface of the door.
- Using a Vix bit or small bit, drill pilot holes in the center of the mounting screw locations. There are (4) screws for the Fleur de Lis and (2) for all other styles. Remove the Interior Lever Assembly.
- Using a 1/4" bit, drill these holes 3/8" to 1/2" deep and install the threaded inserts flush to the face of the door.
- Install the Interior Lever Assembly on the door. **Hand tighten** the mounting screws and check the function.
- Before tightening the mounting screws further, engage the deadbolt and use the interior panic release several times.
 - This will allow the handle set to find it's "sweet spot" and function smoothly. Once you are happy with the function, recheck the escutcheon plates are parallel to the edge of the door, hand tighten the screws and add the (2) wood screws to the bottom of the Exterior Grip Assembly.



Note: 8-32 Threaded insert is installed into a 1/4" Dia. hole in the door stile (4 places).

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

4. CHECK OPERATION OF ENTRY SET

A. Verify lock and handle operation with the door open.

- Rotate thumbturn 90°. Latch bolts should extend to deadbolted position. Rotate 90° the other direction. The latch bolts should retract to original position.
- Rotate thumbturn 90° again. Latch bolts should extend to deadbolted position.
- Press on the end of each latch bolt individually to ensure they do not collapse. If they do, the door is not fully deadbolted. Check the fabrication to see where the interference is.
- Operate exterior grip trigger. The latch bolts should remain in deadbolted position.
- Operate interior lever downward. The latch bolts should fully retract.
- Operate exterior grip lever. The latch bolts should fully retract.

HANDLE SET INSTALLATION - ROCKY MOUNTAIN HARDWARE

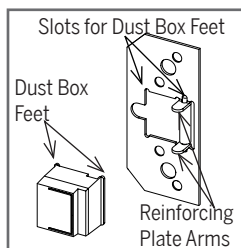
5. Strike Plate Assembly

Parts Required

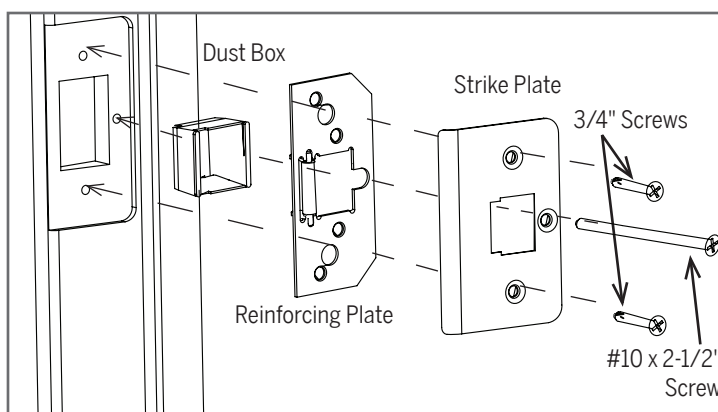
- (3) Dust Boxes
- (3) Reinforcing Plates
- (3) Strike Plates
- (6) 3/4" screws
- (3) #10 x 2-1/2" screws

Attach strike plates to jamb

- Attach the Dust Box to the Reinforcing Plate.
- Align the 3 holes on the Strike Plate with the Reinforcing Plate.
- Orient as shown.
- Use 3/4" screws in top and bottom holes of each strike.
- Use long #10 x 2-1/2" Screw in center hole. (The purpose is to anchor each Strike Plate to the structural framing for added security.)
- Repeat for remaining strike locations.



- The Dust Box Feet should align with the slots in the reinforcing plate.
- The reinforcing plate arms should sit inside the dust box.



Note:

A 1/8" Ø pilot hole should be drilled into the rough framing for the long screw.

Note:

Solid shimming should be placed behind the jamb at each strike location to allow for firm anchoring to structure.

6. Final Operation Check

- Close the door.
- All three bolts should engage strikes as door is closed.
- Turn thumbturn 90° to extend bolts (all three) an additional 1/2" to deadbolted position.
- From interior, rotate lever downward to totally disengage bolts and open door. Bolts can also be disengaged (to latched position) by turning thumbturn.
- Engage deadbolt again. From the exterior, operate the lever and ensure it does not move. Ensure latches only move when the door is unlocked with a key.