

Installation Instructions

MP9800 Series Multi-Point Lock Wood Doors

ASSA ABLOY

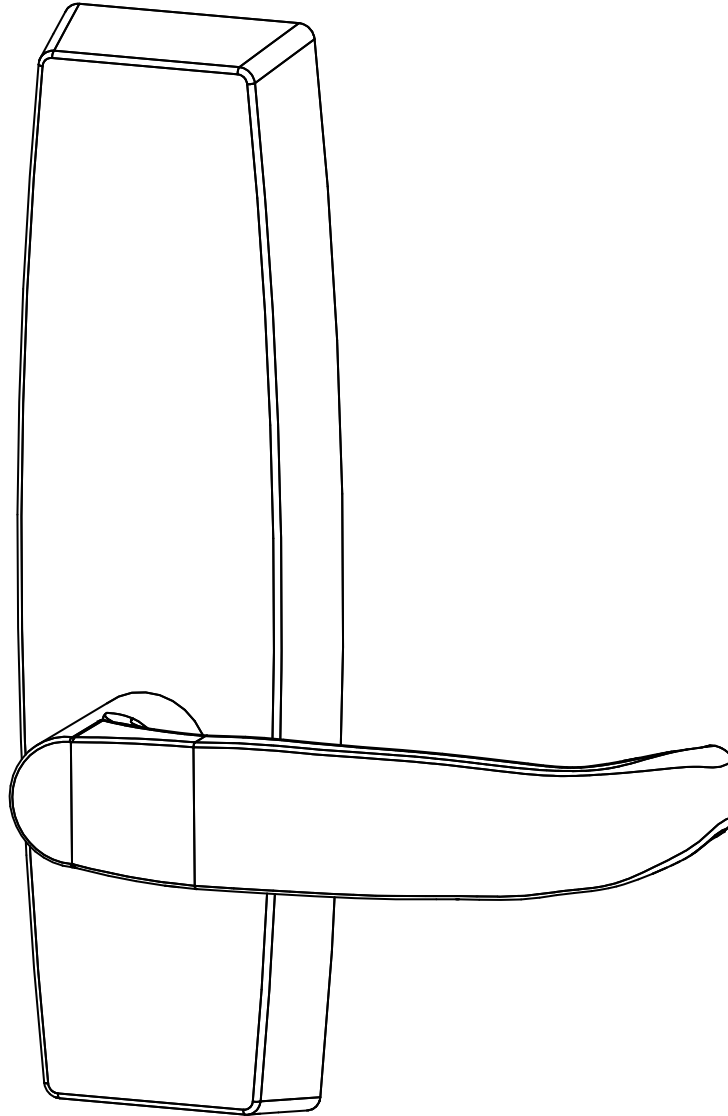


Table of Contents

1	Warnings	2
2	General Description	3
3	MP9800 Series Multi-Point Lock Installation Instructions	4-6
4	M55 Series Installation Instructions	7-9
5	Classroom Intruder (*52) Function Series	10-11

1 Warnings



Changes or modifications to this unit could void the user's authority to operate the equipment.



Important: Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening, and Corbin Russwin Inc. makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire-rated opening, please consult with a code specialist or local code official (authority having jurisdiction) to ensure compliance with all applicable codes and ratings

MP9800 Series Multi-Point Lock

Wood Doors

2 General Description

The MP9800 Series Multi-Point Lock is ideal for security applications and joins the Corbin Russwin line of multi-point door security solutions. Eliminating the need for automatic flushbolts and coordinators, the MP9800 Series provides flexibility, simplicity, strength, durability, aesthetics and innovation and is perfect for a wide variety of applications including conference rooms, commercial office buildings, convention centers, upscale condominiums and residential applications, medical and educational institutions where exit devices are not required.

MP9800 Series Vertical Rod locks are available for aluminum, wood and metal doors. Single point top latching can also be specified, eliminating the bottom strike and the additional installation work required with a bottom bolt. The single point lock is specified with the M55- option. Rods are retracted by dual mounted controls with a variety of functions available.

The MP9800 Series is available for fire rated openings for wood or metal doors. Thermal pin requirements for fire rated doors:

- Double doors with two point latching on each do not require thermal pins
- Double doors with single point latching (M55-) on each require a total of 2 thermal pins, one thermal pin (supplied) for each lock

See the Corbin Russwin MP9800 Series Catalog for more information , call 1-800-438-1951, or visit www.corbinrusswin.com

Tools Required - (Same for all Series Products)

- Phillips screw driver
- Slotted screw driver
- Drill with bits

MP9800 Series Multi-Point Lock Wood Doors

3 MP9800 Series Installation Instructions

i **Note:** For auxiliary controls and MELR (Electric Latch Retraction) Option:
Ensure all required door preparation has been completed prior to hardware installation.

A) Door Preparation

1. Verify Hand and Bevel of Door -(Figure 1)

- Check hand of door. The Multi-Point lock may be handed.
- Door should be fitted and hung.
- Verify box label for size of the Multi-Point lock, function and hand.
- Change handing if necessary.

2. Door Preparation

If door is not pre-drilled, prepare door according to template T31243. Refer to templates at www.corbinrusswin.com.

3. Hardware Supplied:

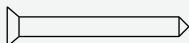


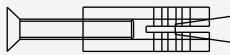
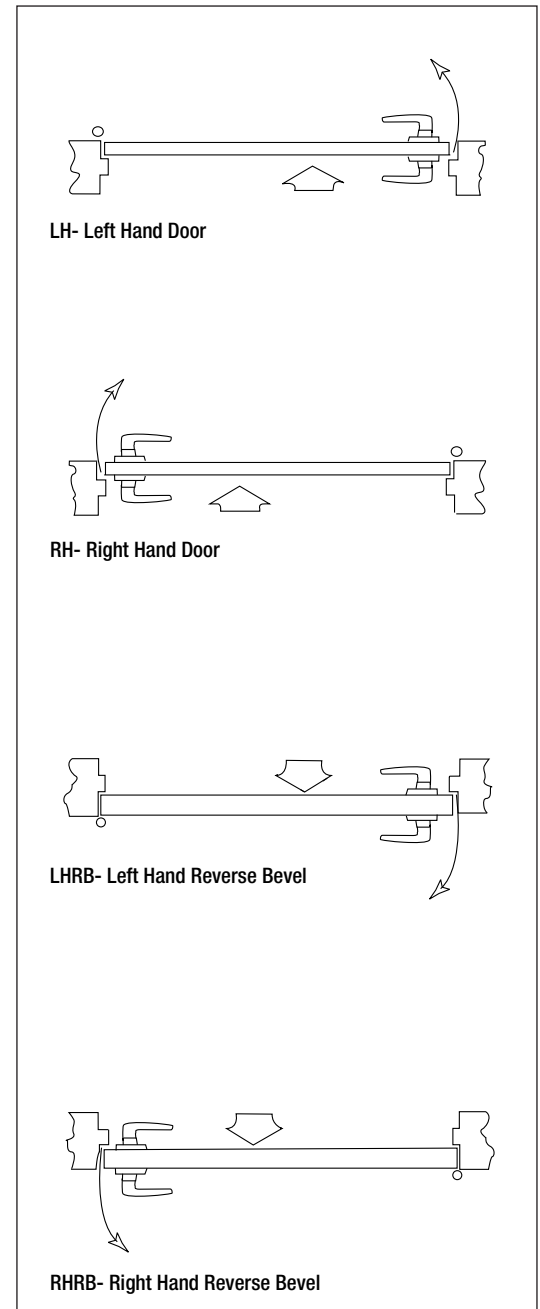
	AA Top Chassis & Bottom Plate Mounting Screw- (6) #12-2" Phillips Flat Head Wood Screws
	BB Lever Trim Mounting Screw- (2) 1/4" -20 x 3" Phillips Oval Head Machine Screws
	CC Inner Chassis Mounting Screw- (2) #10 x 1-1/4" Phillips Flat Head Wood Screws
	Bottom Strike Mounting Screw- (2) 1/4" -20 x 2" Phillips Head Machine Screws and (2) Anchor Nuts

Figure 1: Handing



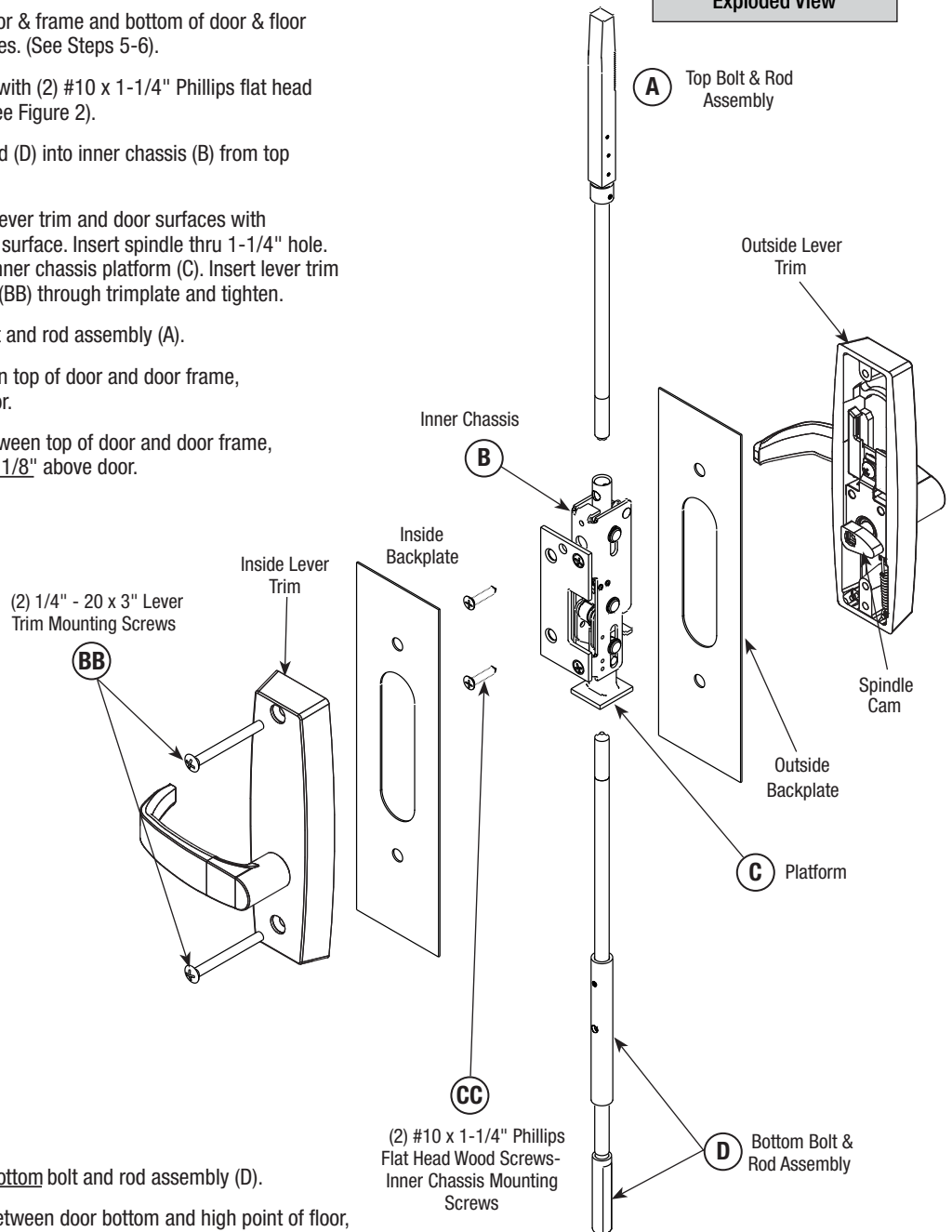
MP9800 Series Multi-Point Lock Wood Doors

3 MP9800 Series Installation Instructions - Continued

B) Installation

1. Measure gap between top of door & frame and bottom of door & floor before removing door from hinges. (See Steps 5-6).
2. Attach inner chassis (B) to door with (2) #10 x 1-1/4" Phillips flat head wood mounting screws (CC). (See Figure 2).
3. Screw top rod (A) and bottom rod (D) into inner chassis (B) from top and bottom of door.
4. Place trim backplates between lever trim and door surfaces with unfinished side toward the door surface. Insert spindle thru 1-1/4" hole. Spindle cams must be **UNDER** inner chassis platform (C). Insert lever trim mounting screws, 1/4"-20 x 3" (BB) through trimplate and tighten.
5. Use inside trim to adjust top bolt and rod assembly (A).
 - For 1/8" GAP OR LESS between top of door and door frame, rotate bolt even with top of door.
 - For 1/8" GAP OR GREATER between top of door and door frame, rotate bolt to gap space minus 1/8" above door.

**Figure 2:
MP9800 x MPWD Assembly
Exploded View**



6. Use inside trim to adjust bottom bolt and rod assembly (D).
 - For 1/8" GAP OR LESS between door bottom and high point of floor, rotate bolt to make even with bottom of door.
 - For 1/8" GAP OR GREATER between door bottom and high point of floor, rotate bolt to gap space minus 1/8" below door.

MP9800 Series Multi-Point Lock Wood Doors

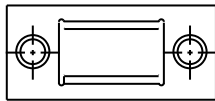
3 MP9800 Series Installation Instructions - Continued

B) Installation- Continued

7. Slide top chassis (E) over top bolt (A) on top of door. Secure with (4) #12-2" flat head wood screws (AA). (See Figure 3).
8. Install bottom plate (H) over bottom bolt (D) on bottom of door. Secure with (2) #12-2" flat head wood screws (AA).
9. Install door into the frame using hinges.
10. Attach 764F577 Top Strike to door frame, (2) #10-24 x 1/2" Phillips flat head machine screws (Reference template T31241). (See below).
11. Attach bottom strike to floor under bottom bolt (Reference template T31241). 764F577 Bottom Strike, MP9800 x MPWD or 764F587 Bottom Strike, MP9800B x MPWD.
12. BEFORE CLOSING DOOR, ensure the following:
(Adjust bolts per Step 5 as needed):
 - a) Either lever retracts both bolts.
 - b) Bolts stay retracted (in hold back).
 - c) Bolts release when door closes; button inside top of door hits frame.
 - d) Bolts engage strikes by 1/4" - 5/16".

C) Strikeplates

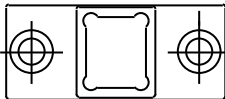
764F577 Top Strikeplate



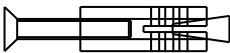
764F577 Top Strike

(2) #10-24 x 1/2" Phillips Flat Head Machine Screws

764F587 Bottom Strikeplate



764F587 Bottom Strike



STRIKE PACK, MP9800 x MPWD: 764F567 Strike (2), Top and Bottom strikes.
Top: #10-24 x 1/2" PH FL HD MS (2);
Bottom: 1/4-20 x 2" PH FL HD MS (2) and anchor nuts (2)

STRIKE PACK, MP9800B x MPWD: 764F577 Top Strike (1), #10-24 x 1/2" PH FL HD MS (2);
764F587 Bottom Strike (1), 1/4-20 x 2" PH FL HD MS (2) and anchor nuts (2)

Lever Trim
Mounting Screws

BB

Inside
Backplate

Inner Chassis

B

Outside Lever
Trim

Outside
Backplate

Inner Chassis
Mounting Screws

CC

D Bottom Bolt &
Rod Assembly

**Figure 3:
MP9800 x MPWD Assembly
Exploded View**

AA (4) #12-2" Flat Head
Wood Screws

E Top Chassis

A Top Bolt & Rod
Assembly

H Bottom Plate

AA (2) #12-2" Flat Head
Wood Screws

MP9800 Series Multi-Point Lock Wood Doors

4 M55 Series Installation Instructions (Less Bottom Rod)

i Note: For auxiliary controls and MELR (Electric Latch Retraction) Option:
Ensure all required door preparation has been completed prior to hardware installation.

MP9800B Wood Door x M55 Fire-rated locks require installation of thermal pins for fire rating. Pairs of doors ONLY. NOT AVAILABLE for single door application.

A) Door Preparation

1. Verify Hand and Bevel of Door -(Figure 4)

- Check hand of door. The Multi-Point lock may be handed.
- Door should be fitted and hung.
- Verify box label for size of the Multi-Point lock, function and hand.
- Change handing if necessary.

2. Door Preparation

If door is not pre-drilled, prepare door according to template T31243. Refer to templates at www.corbinruswin.com.

3. Hardware Supplied:

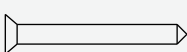

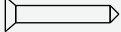
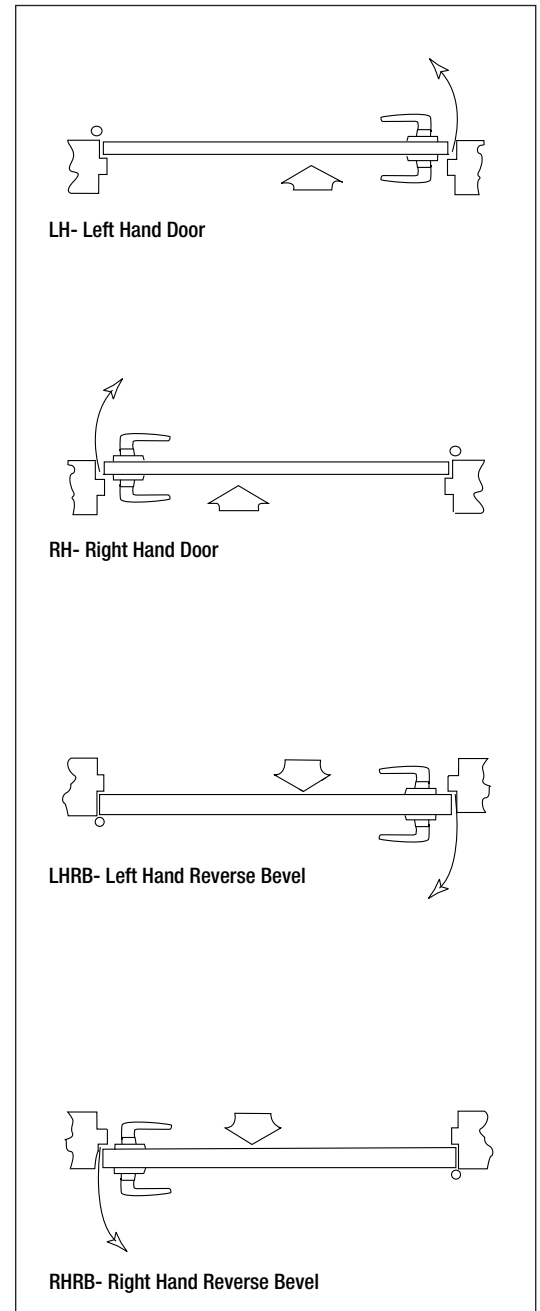
	AA Top Chassis Mounting Screw- (4) #12-2" Phillips Flat Head Wood Screws
	BB Lever Trim Mounting Screw- (2) 1/4" -20 x 3" Phillips Oval Head Machine Screws
	CC Inner Chassis Mounting Screw- (2) #10 x 1-1/4" Phillips Flat Head Wood Screws

Figure 4: Handing



MP9800 Series Multi-Point Lock Wood Doors



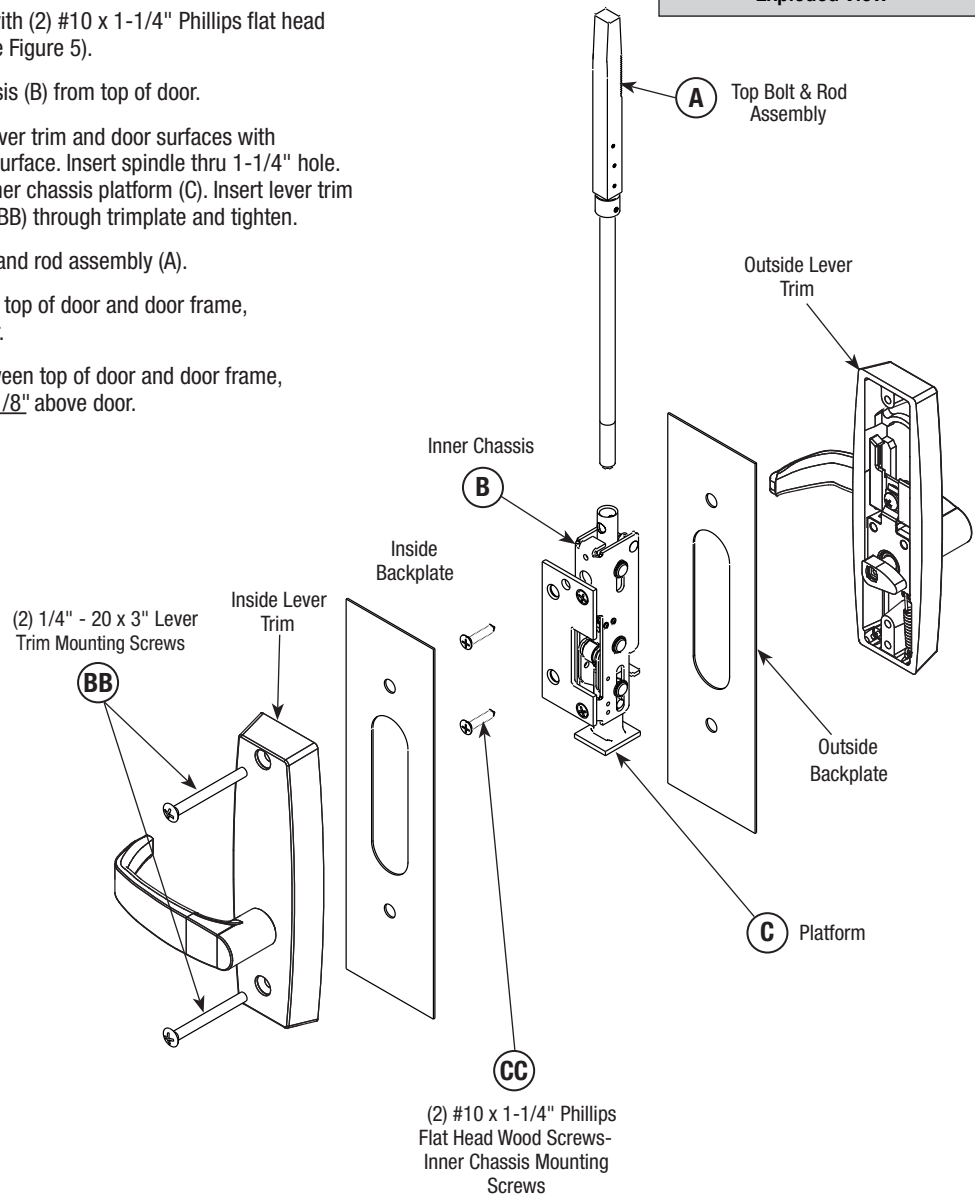
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4 M55 Series Installation Instructions (Less Bottom Rod) - Continued

B) Installation

1. Measure gap between top of door & frame and bottom of door & floor before removing door from hinges. (See Steps 5-6).
2. Attach inner chassis (B) to door with (2) #10 x 1-1/4" Phillips flat head wood mounting screws (CC). (See Figure 5).
3. Screw top rod (A) into inner chassis (B) from top of door.
4. Place trim backplates between lever trim and door surfaces with unfinished side toward the door surface. Insert spindle thru 1-1/4" hole. Spindle cams must be UNDER inner chassis platform (C). Insert lever trim mounting screws, 1/4"-20 x 3", (BB) through trimplate and tighten.
5. Use inside trim to adjust top bolt and rod assembly (A).
 - For 1/8" GAP OR LESS between top of door and door frame, rotate bolt even with top of door.
 - For 1/8" GAP OR GREATER between top of door and door frame, rotate bolt to gap space minus 1/8" above door.

Figure 5:
MP9800 x MPWD x M55 Assembly
Exploded View



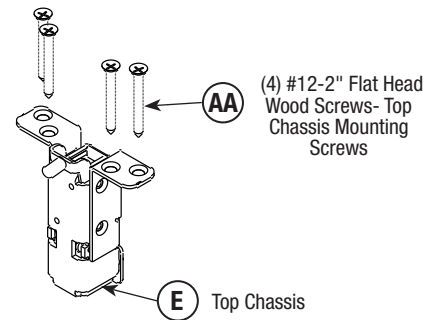
MP9800 Series Multi-Point Lock Wood Doors

4 M55 Series Installation Instructions (Less Bottom Rod) - Continued

B) Installation- Continued

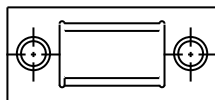
6. Slide top chassis (E) over top bolt (A). Secure with (4) #12-2" flat head wood screws (AA). (See Figure 6).
7. Install door into the frame using hinges.
8. Attach 764F577 Top Strike to door frame, (2) #10-24 x 1/2" Phillips flat head machine screws (Reference template T31241). (See below).
9. BEFORE CLOSING DOOR, ensure the following:
(Adjust top bolt per Steps 5 as needed):
 - a) Either lever retracts bolt.
 - b) Bolt stays retracted (in hold back).
 - c) Bolt releases when door closes; button inside top of door hits frame.
 - d) Bolt engages strike, 1/4" - 5/16".

Figure 6:
MP9800 MPWD x M55 Assembly
Exploded View



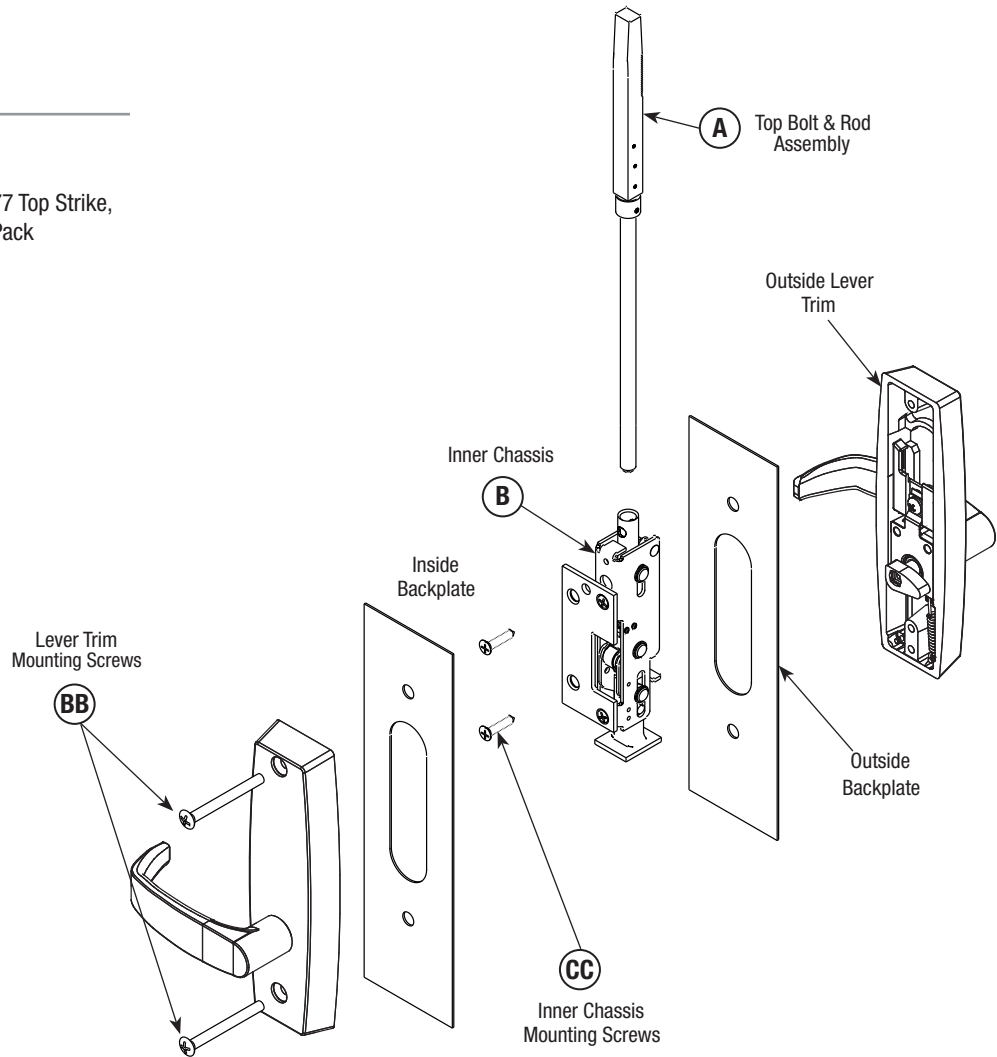
C) Strikeplate

764F577 Top Strikeplate



764F577 Top Strike,
Strike Pack

(2) #10-24 x 1/2" Phillips
Flat Head Machine Screws



MP9800 Series Multi-Point Lock Wood Doors



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5 M55 Series CLASSROOM FUNCTION Installation Instructions

A) Installation

1. Through bolt the trim as described in Step 4 on Page 8. Ensure that the inside cylinder tailpiece engages the auxiliary cam on the outside trim.
2. Check for smooth locking and unlocking via cylinder on both sides of the door.
3. Remove components shown below in order to replace outside cylinder.
4. Reinstall removed components after cylinder is installed.

Figure 7:
MP9800 Wood Door Trim Assembly Exploded View

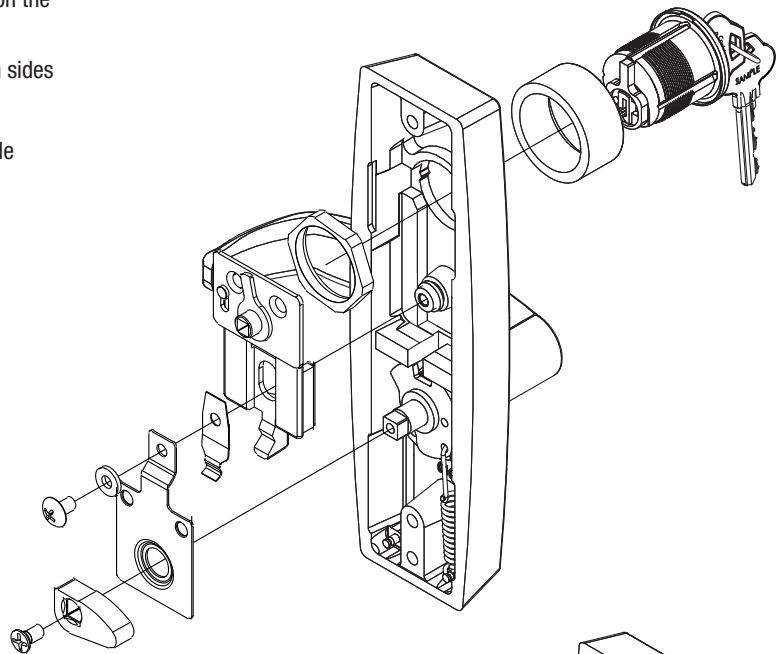
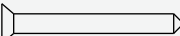
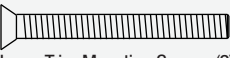
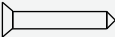

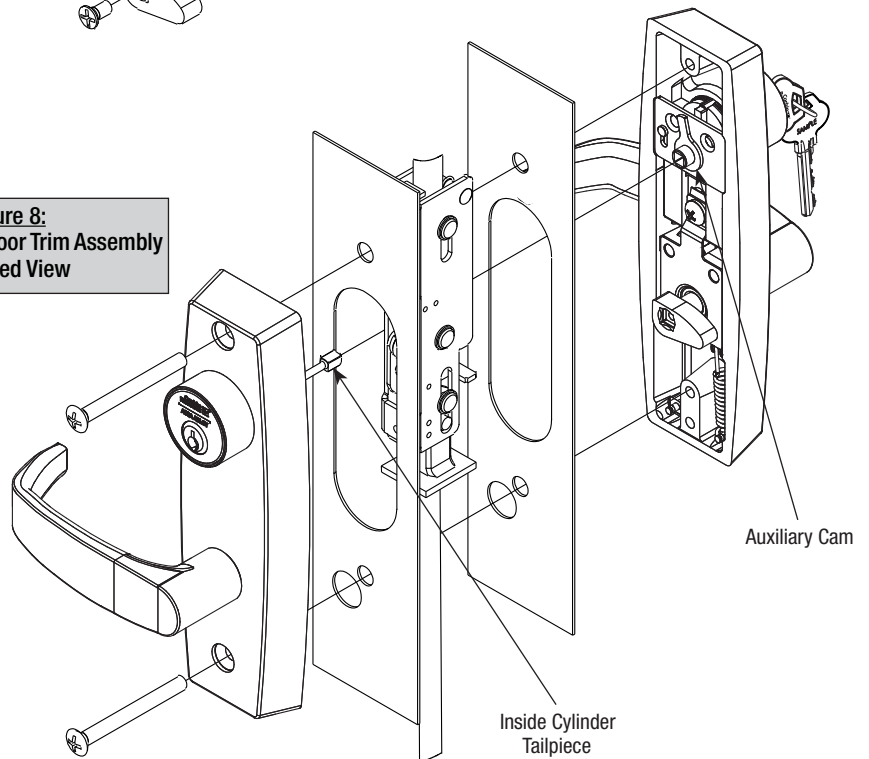


Figure 8:
MP9800 Wood Door Trim Assembly Exploded View

Hardware Supplied:

	(AA)
Top Chassis Mounting Screw- (4) #12-2" Phillips Flat Head Wood Screws	
	(BB)
Lever Trim Mounting Screw- (2) 1/4" -20 x 3" Phillips Oval Head Machine Screws	
	(CC)
Inner Chassis Mounting Screw- (2) #10 x 1-1/4" Phillips Flat Head Wood Screws	
	(DD)
Aux Control Mounting Screw- (2) 10-24 x 2-1/8" Phillips Oval Head Machine Screws	



5 M55 Series CLASSROOM FUNCTION Installation Instructions - Continued

B) Auxiliary Control Product Installation On Wood Door

- Slide the extension, with reduced diameter facing down, through the cut out for the inner chassis on the door.
- Insert inner chassis into the door cutout and insert reduced end of extension in top threaded bushing on inner chassis. Secure with (1) #8-32 x 7/16" Phillips oval head machine screw. (Only on aux control devices), (See Figure 9).

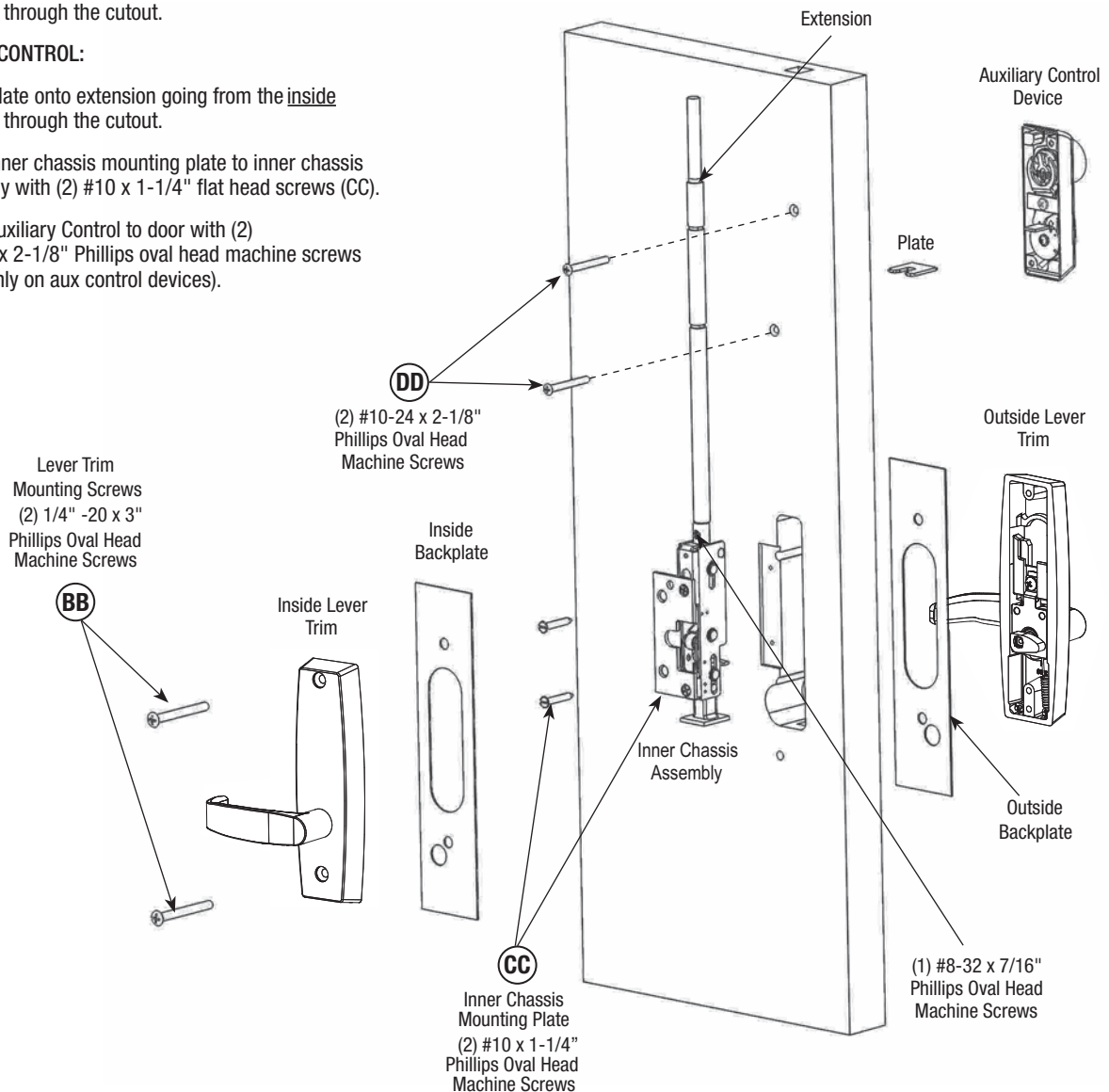
FOR AUXILIARY CONTROL:

- 3a. Install plate onto extension going from the outside of door through the cutout.

FOR MELR CONTROL:

- 3b. Install plate onto extension going from the inside of door through the cutout.
4. Attach inner chassis mounting plate to inner chassis assembly with (2) #10 x 1-1/4" flat head screws (CC).
5. Attach Auxiliary Control to door with (2) #10-24 x 2-1/8" Phillips oval head machine screws (DD). (Only on aux control devices).

Figure 9:
MP9800 Wood Door Trim Assembly Exploded View



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ASSA ABLOY is the global
leader in door opening solutions,
dedicated to satisfying
end-user needs for security,
safety and convenience