WARNING
This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov.
## Tools Required

- **#1, #2 & #3 Phillips head screwdrivers**
- **Flat blade screwdriver**
- **Allen wrench**
  - 1/8" for standard levers
  - 3/32" for Muséo levers
  - 7/64" for EAC mortise locks
- **3/32" Drill bit**
- **T-20 Torx Screw with Tamper Pin Driver**

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For installation assistance contact Corbin Russwin
1-800-543-3658 • techsupport.corbinrusswin@assaabloy.com

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ML2000 Series Mortise Lock
Used with Sectional Indicator Trim and V Series Indicators
Installation Instructions

2 Indicator Variants

Depending on function and option ordered, indicators are provided in the following variations, these instructions detail how to install with cylinder, however other variations follow similar instructions. (Figure 1)

Contact factory with questions.

3 Mortise Lock Handing

1. Move red locking screw to side of lock body being locked.
2. Push in latch. Depress catch plate with screwdriver. (Figure 2)
3. Pull latch out of lock body and turn latch over. (Figure 3)
4. Push in latch while holding screwdriver behind latch tail. (Figure 5)

Note:
Ensure latch is pushed in until catch plate is no longer depressed. (Figure 4)
5. Rotate lock front to match bevel of door, as shown. (Figure 6)

Figure 1

Figure 2

Figure 3

Figure 4

Figure 5

Figure 6
Rehanding Indicator (if required)

Verify hand and bevel of door. (Figure 7)

Note:
Stand outside of locked door when determining door hand.

Next, verify inside and/or outside indicators are handed correctly using Spindle Cam Position chart. (Figure 8)

If they are handed correctly, skip to Step 5a “Prepare Door for Mortise Lock.”

If they are not handed correctly:
1. Remove retaining pad and spindle cam from assembly. (Figure 9)
2. Position spindle cam in correct direction for door hand. (Figure 8)

   **Important:** For thumbturn indicators, make sure thumbturn is positioned in the 12 o’clock direction as shown. (Figure 10)
3. Slide spindle cam post into correct slot of display slide. (Figure 9)
4. Re-seat retaining pad into original position.
5. Return indicator to vacant/unlocked position for installation.

---

**Figure 7**

**LH**  Left Hand Hinges
Left Open Inward

**LHRB**  Left Hand Reverse Bevel Hinges Left
Open Outward

**RH**  Right Hand Hinges Right
Open Inward

**RHRB**  Right Hand Reverse Bevel Hinges Right
Open Outward

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**Figure 8**

Spindle Cam Position

<table>
<thead>
<tr>
<th>Door Hand</th>
<th>Inside Indicator</th>
<th>Outside Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>RH/RHRB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Figure 9**

Display Slide Slot
Spindle Cam
Retaining Pad

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**Figure 10**

Thumbturn position

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**Installation**

**a Prepare Door for Mortise Lock**
Prepare door for function holes, size, and location according to FM9500 door marker template, if not already prepped.

**b Install Strike and Lock**
1. Install strike using two (2) 3/4” combination screws. If strike box is needed, insert between strike and door frame. (Figure 11)
2. Make sure handing of lock matches handing of door.
3. Insert mortise lock into door and hand tighten two (2) 1” combination screws. (Figure 12)
   - Do NOT tighten completely at this time.

**Notes:**
- Keep door open until installation is complete.
- Make sure lock is unlocked. If lock has a toggle, push bottom of toggle inward to ensure it is unlocked during installation.

**c Prepare Door For Indicator**
1. Insert template guide into control hub on side where indicator will be used.
2. Slide indicator template over template guide. (Figure 13)
   - **Important:** Make sure template is properly centered and aligned to ensure smooth indicator operation.
3. Mark the four (4) hole positions indicated on template.
4. Remove guide and template.
5. If indicators are being used on both sides of door, repeat steps 1 through 4 for opposite side.
6. Remove lock body.
7. Drill four (4) marked holes with 3/32” diameter bit, by 1/2” deep.
8. Reinstall lock body and hand tighten screws.

**Note:**
If retrofitting over existing product, ensure door surface is free of chips and debris around holes. As a result, indicator will sit flat against door surface.
5 Installation (cont.)

Install Levers

Standard Levers
1. Install outside and inside adapter plates. (Figure 14)
2. Screw roses onto adapter plates. (Figure 15)
3. Install outside lever or knob by inserting adjustment bolt on opposite side of door. Tighten bolt finger-tight and then loosen a few turns. (Figure 16)
4. Install inside lever or knob by inserting dowel screw. (Figure 18)

Note:
Use correct spindle orientation. (Figure 17)

Note:
Make sure adjustment bolt hole is aligned with lever or knob hole. (Figure 19)
ML2000 Series Mortise Lock

Used with Sectional Indicator Trim and V Series Indicators

Installation Instructions

5 Installation (cont.)

d Install Levers (cont.)

Muséo® Levers

1. Thread adapter plate hub into lever and fully tighten. (Figure 20)

2. Align adapter plate hub with square hole in lever; keep hub as tight as possible. (Figure 21)

   Notes:
   - Use spindle to help thread hub into lever.
   - Use correct spindle orientation. (Figure 22)

3. Install outside trim assembly. (Figure 23)

4. Install inside adapter plate. (Figure 24)

5. Install inside spindle and rose. (Figure 25)

   Note:
   Align studs on rose with bushings in adapter plate.

6. Install inside lever with set screw. (Figure 26)
Installation (cont.)

Install Indicator Mounting Plate
1. Screw indicator mounting plate to door with four (4) #6 x 3/8” sheet metal screws. (Figure 27)
2. If indicators are being used on both sides of door, repeat step 1 for opposite side.

Install Indicator Assembly
1. Verify lock is in unlocked state (turn outside lever to confirm). Also, verify indicator is in the vacant/unlocked position.
2. Align spindle with diamond hole in Control Hub and assemble indicator onto backing plate. (Figure 28)
3. Secure indicator assembly to door with two (2) machine screws. (Figure 29)
   • Use #8-32 x 5/8” screw for top
   • Use #8-32 x 3/8”
4. If indicators are being used on both sides of door, repeat steps 1 through 3 for opposite side.

Note: Torx security screws recommended.

Install Cylinder
1. Thread cylinder into lock until flush with escutcheon surface. (Figure 30)
   • Pull key slightly out of cylinder to help thread into lock body.
2. Install cylinder clamp screw with #1 Phillips screwdriver.
   • Check operation, and adjust cylinder if necessary.

Notes:
• Corbin Russwin logo must be horizontal and on top. (Figure 31)
• If double cylinder function is used, repeat steps 1 and 2 for second cylinder.
5 Installation (cont.)

h Install Outside Front
1. Tighten the two (2) lock screws completely. (Figure 32)
2. Attach outside front with two (2) flat head screws
   #8-32 x 1/4".

i Perform Functional Check
DO NOT FORCE if resistance is encountered during functional check. Refer back to Rehanding Indicator (if required) section to ensure correct handing. Rehand if necessary.
1. Insert key into cylinder (if present) and rotate:
   • Ensure there is no friction against lock case, or any other obstructions.
2. Check key retracts latch:
   • Key should rotate freely.
3. Throw deadbolt (if present):
   • Check key retracts both deadbolt and latch.
4. Test levers:
   • Confirm latch and deadbolt (if installed) retract.
5. Verify indicator displays correct status when locked and unlocked.
## Indicator Parts

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<th>Part Number</th>
<th>Required</th>
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<tr>
<td>1</td>
<td>Sectional Escutcheon - Cylinder</td>
<td>855F592 FIN</td>
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<td>Sectional Escutcheon - Coin Turn</td>
<td>855F582 FIN</td>
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<td>Sectional Escutcheon - Thumbturn (Standard)</td>
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<td>Indicator Display Assembly - Green Unlocked Icon / Red Locked Icon</td>
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<td>Sectional Indicator Template Kit (not shown)</td>
<td>858F549</td>
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* These parts are for 1-3/4" standard thickness doors. For other thicknesses, please contact factory.

**Note:**
Reference ML2000 parts manual for all lock body parts.
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