MORTISE LOCK and ADVANTEX DEVICE INSTALLATION INSTRUCTIONS (30 and F30 Series)

PARTS BREAKDOWN DEPICTION

Fillerplate subassembly P/Ns:
100860-X (LD/HD/CD/EA/ES/EX/ED/ER)
105034-X (CD Dogging EE Mortise)

NOTE: Specify finish, length, and operations when ordering

Centercase cover P/N: 102353-X

Endcap P/N: 101642-X

Endcap bracket P/Ns:
100147 (Endcap bracket)
101093 (Endcap bracket with 9V battery holder)

Pushpad/Centercase/Extrusion Subassembly P/Ns:
103321-X (CD/HD/LD/EA/ED/EX/ER/EE)

Note: Specify finish, length, and operations when ordering

Front Plate P/N: 103203-X

Mortise lock P/Ns:
103320-1 (Standard)
103320-2 (EE)
103320-3 (ES)

Mortise cylinder (Not included)

Fillerplate

Cylinder Nut
P/N: 100783

Spacers

Dogging assembly
P/N: 102216 (CD)
P/N: 102216-2 (EA/EE)

Adjust spacers for longer cylinders, as needed

(CD shown)

STRIKES

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Depiction</th>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>90</td>
<td></td>
<td>103285-X</td>
<td>ANSI strike</td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>103294-X</td>
<td>ANSI flat lip strike</td>
</tr>
<tr>
<td>92</td>
<td></td>
<td>103286-X</td>
<td>Double door short open back strike</td>
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<tr>
<td>93</td>
<td></td>
<td>103289-X</td>
<td>Double door long open back strike</td>
</tr>
</tbody>
</table>

OPTIONAL STRIKES
**Steps 1-2: Install Mortise Lock**

1. **Use plastic template to mark and drill mortise lock and backplate holes**
   - Use plastic template to mark and drill mortise lock and backplate holes.
   - Mark mortise access holes.
   - Install device to backplate with (2) "B" screws.
   - If screws are not installed, warranty is void.

2. **Install mortise lock**
   - Install lock with (2) "I" screws or (2) "J" screws for wood doors.
   - To change lock handling: Remove block and rotate latchbolt.
   - Install plate with (2) "H" screws.
   - Reposition block after handing.

3. **Install backplate & trim or outside key control**
   - Install backplate with (4) "A", "F" or "K" screws.

4. **Install strike**
   - Install strike with (2) "I" screws.

**Steps 5-7: Install Device**

5. **Install device to backplate**
   - Align fingers with mortise lock in door.
   - IMPORTANT!
     - Fasten device to backplate with (2) "B" screws.
     - If screws are not installed, warranty is void.
   - Use #1/4 self-drilling "K" screws.

6. **Level device and install endcap bracket**
   - Drill for "A" or "F" screws, 2 places.
   - OR use #14 self-drilling "K" screws.
   - Install endcap bracket with (2) "A", "F" or "K" screws.
   - AND (2) lockwashers.

7. **Install endcap and cover**
   - Install cover with (4) "D" screws.
   - Install endcap with (2) "E" screws.

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**STEPS 3: Install Backplate**

- Install plate with (2) "H" screws.
- Mark backplate holes.
- Install backplate with (4) "A", "F" or "K" screws.
- AND (2) lockwashers.

**STEPS 4: Install Strike**

- Install strike with (2) "I" screws.

**NOTES:**

1. File sharp corners to complete slots where needed.
2. See Trim instructions where applicable.
3. See last page for drilling outside key control (03) function hole.
4. See electrical instructions for wiring electrical devices.

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**Machine Screws**

- A: #14-20 x 1" *
- B: #10-32 x 1/4" *
- D: 7/32 x 3/8" *
- E: #6-32 x 1/2" *
- H: #6-32 x 3/8" *
- I: #12-24 x 1/2" *
- F: #14 x 1-1/4" *

**Sheet Metal/Wood Screws**

- J: #14 x 1-1/2" *

**Drill Sizes:**

- A: #1/4-20 x 1"
- B: #1/4-20 x 1/4"
- D: #7 or Ø13/64"
- E: #10-32 x 1/2"
- H: #12-24 x 1/2"
- I: #12 x 1/4"
- F: #14 x 1-1/4"
- J: #14 x 1-1/2"

- Plastic template P/Ns:
  - Door: 103283 (LHR), 103284 (RHR)
  - 103283 (LHR)
  - 103284 (RHR)

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**Diagram:**

- Door prepared to ANSI A155.13
- See T2000 (metal) and T2001 (wood) templates.
- Mark centerline for device 40" above finished floor.
- Device side: reverse template for Trim cutouts on opposite side of door, if required.

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**Diagram Notes:**

- #12 x 1/2"
- #14 x 1/2"
- #14 x 1/2"
- #1/4-20 x 1/4"
- #10-32 x 1/4"
- #12-24 x 1/4"
- #12 x 1/4"
- #12 x 1/4"

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**Diagram Diagram:**

- Door prepared to ANSI A155.13
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**Diagram Diagram:**

- Door prepared to ANSI A155.13
- See T2000 (metal) and T2001 (wood) templates.
- Mark centerline for device 40" above finished floor.
- Device side: reverse template for Trim cutouts on opposite side of door, if required.
STEP: INSTALLING OUTSIDE KEY CONTROL (03) FUNCTION

1 Use plastic template to mark and drill hole (Trim side only)
   - Drill 1-1/4" dia, one side
   - Align template with device centerline
   - CAUTION! Mortise lock not installed for this step

2 Install cylinder after lock is installed
   - Turn cylinder CW
   - Tighten screws
   - Cylinder and collar NOT supplied, but can be ordered separately.
     Cylinder P/N: 102281-X
     Collar P/N: 103303
   - Continue with Step 3 on page 2

TROUBLE SHOOTING
Adjust centercase fingers, if latchbolt will not retract fully

Optional Accessories

Glass Bead Kit
Part No: 103319
- #1/4-20 X 1-1/2" Screw (4) Included

Sex Nut

The #1/4-20 kit is available in (4) finishes:
- Part No: 101616-2 Brushed Brass BHMA 606 Finish
- Part No: 101616-5 Oil Rubbed Bronze BHMA 613 Finish
- Part No: 101616-7 Brushed Chrome BHMA 626 Finish
- Part No: 101616-9 Stainless Steel BHMA 630 Finish

Checking for Device Clearance
(Steps for cut-off procedure, if required)

- Slide endcap assembly into extrusion
- Secure with tape
- CAUTION: Check for device and door frame clearance. If no cut-off needed proceed with step 6 on page 2.

Max Cut-Off

<table>
<thead>
<tr>
<th>Type</th>
<th>36&quot; Unit</th>
<th>48&quot; Unit</th>
</tr>
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<tbody>
<tr>
<td>EA</td>
<td>2 in</td>
<td>8 in</td>
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<tr>
<td>CD/HD/LD/EX</td>
<td>6 in</td>
<td>12 in</td>
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<tr>
<td>ED</td>
<td>2 in</td>
<td>8 in</td>
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<tr>
<td>ER</td>
<td>---</td>
<td>6 in</td>
</tr>
<tr>
<td>EE</td>
<td>---</td>
<td>6 in</td>
</tr>
</tbody>
</table>

NOTE:
1) Cut fillerplate and extrusion to desired length.
2) Protect wires during cutting.