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

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

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

Mortise cylinder
(Not included)

Fillerplate

Cylinder Nut
P/N: 100783

Spacers

Adjust spacers for longer cylinders, as needed

(DC shown)

STRIKES

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

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<tr>
<td>91</td>
<td>Spacers</td>
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<tr>
<td>92</td>
<td>Dogging assembly</td>
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<td>93</td>
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**STEPS 1-2: INSTALL MORTISE LOCK**

1. **Use plastic template to mark and drill mortise lock and backplate holes**
   - Door prepared to ANSI A115.13
   - See T2000 (metal) and T2001 (wood) templates
   - Mark centerline for device 40" above finished floor
   - Plastic template P/Ns: 103283 (LHR) 103284 (RHR)
   - Device side: reverse template for Trim cutouts on opposite side of door, if required.

2. **Install mortise lock**
   - Install lock with (2) "I" screws or (2) "J" screws for wood doors
   - To change lock HANDING: 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
   - OR Drill for "A" or "F" screws, 4 places
   - OR Use #14 self-drilling "K" screws, 4 places
   - OR Drill 5/16" diameter (For trim option only) 4 places
   - AND 3/4" diameter 4 places

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.

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
**STEP: INSTALLING OUTSIDE KEY CONTROL (03) FUNCTION**

1. Use plastic template to mark and drill hole (Trim side only)

   ![Diagram showing device and template alignment]

   **CAUTION!**
   Mortise lock not installed for this step

   - **Device**
     - 40" above finished floor
   - **Template**
     - Align template with device centerline
   - **Drill**
     - 1-1/4" dia, one side

2. Install cylinder after lock is installed

   ![Diagram showing cylinder installation]

   - **Turn cylinder CW**
   - **Cylinder and collar**
     - NOT supplied, but can be ordered separately.
     - Cylinder P/N: 102281-X
     - Collar P/N: 103303
   - **Tighten screw**
     - nearest cylinder side of door only

   **TROUBLE SHOOTING**

   Adjust centercase fingers, if latchbolt will not retract fully

   ![Diagram showing adjustment of centercase fingers]

   - **Loosen (2) screws & turn center screw CCW for latchbolt adjustment**

   **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)

   ![Diagram showing checking for device clearance]

   - **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>
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<tr>
<td>CD/HD/LD/EX</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>
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</tbody>
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   **NOTE:**
   1) Cut fillerplate and extrusion to desired length.
   2) Protect wires during cutting

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