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

Dwg #: 103200 (SS)
104895 (AL)

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

EC1 Endcap
P/N: 101642-X (shown)

EC2 Endcap (S.S.)
P/N: 104304-X

EC2 Endcap (AL)
P/N: 104612-X

Centercase cover
S.S. P/N: 102353-X
AL P/N: 104601-X

*Pushpad/Centercase/Extrusion Subassembly P/Ns:
105500-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)

Endcap bracket
EC1: P/N 100147 (shown)
EC2: P/N 104303

Installation Templates
P/N: 103283 (LHR)
P/N: 103284 (RHR)

MORTISE CYLINDER INSTALLATION
(CD, EA and EE only)

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>
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</tbody>
</table>

OPTIONAL STRIKES

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Depiction</th>
<th>Part No.</th>
<th>Description</th>
</tr>
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<tbody>
<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>
</tr>
<tr>
<td>93</td>
<td></td>
<td>103289-X</td>
<td>Double door long open back strike</td>
</tr>
</tbody>
</table>

S & R Fillerplate
P/N: 100860-X

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)
**Steps 1-2:**
**Install Mortise Lock**
(Not: LHR Installation Shown)

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
   - Device side; reverse template for Trim cutouts on opposite side of door, if required.
   - Plastic template P/NS: 103283 (LHR) 103284 (RHR)
   - Mark mortise access holes
   - Mark backplate holes
   - 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

2. **Install Mortise Lock**
   - Install lock with (2) "I" screws or (2) "J" screws for wood doors
   - To change lock handing:
     - Reposition block after handing
     - Remove block and rotate latchbolt
   - Install plate with (2) "H" screws
STEP 3: INSTALL BACKPLATE

3 Install backplate & trim for outside key control

1/4" Lockwasher

Install backplate with (4) "A", "F" or "K" screws

NOTE:
(1) See Trim instructions where applicable
(2) See last page for outside key control (03) function installation

STEP 4: INSTALL STRIKE

4 Install Strike

Install strike with (2) "I" screws

STEP 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.

1/4" Lockwasher

CHECKING FOR DEVICE CLEARANCE
(Cut-Off procedure if required)

Slide endcap assembly onto extrusion

CAUTION:
Check for device and door frame clearance. If no cut-off needed, proceed to the next page.

<table>
<thead>
<tr>
<th>Minimum Fillerplate Length</th>
<th></th>
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<tbody>
<tr>
<td>Type</td>
<td>Length (L)</td>
</tr>
<tr>
<td>LD</td>
<td>2-1/2&quot;</td>
</tr>
<tr>
<td>HD/CD</td>
<td>3&quot;</td>
</tr>
</tbody>
</table>

2 Cut fillerplate and extrusion STRAIGHT & SQUARE to desired length and deburr

Secure with tape before cutting

For aluminum Advantex finish cutdown applications: After cutting, the baseplate extrusion can be reversed to place the cut end inside the head cover. To do so, loosen the setscrew inside the aluminum baseplate extrusion and slide extrusion out, reverse, & slide back in. Tighten setscrew.
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

INSTALLING OKC (03) FUNCTION
(if required, to be done between steps 2 & 3 on sheet 2)

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

CAUTION!
Mortise lock NOT installed for this step

DEVICE

40" above finished floor

Align template with device centerline

Drill 1-1/4" dia, one side

Install lock with (2) "l" screws or (2) "J" screws for wood doors. Fasten screws loosely.

Install cylinder AFTER lock is installed

Turn cylinder CW
Cylinder and collar NOT supplied, but can be ordered separately. Cylinder P/N: 102281-X Collar P/N: 103303

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

TROUBLESHOOTING
Adjust centercase fingers, if latchbolt will not retract fully

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

See Detail G

Detail G

Tighten screws after adjustment

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