**COBRA SERIES**
(Cylindrical)
Manually Programmable (MP) & Software Programmable (SP)

**INSTALLATION INSTRUCTIONS**

**INTRODUCTION**
This manual covers the complete hardware installation of all models in the MPC Cobras and SPC Cobras series of cylindrical locks.

**NOTES:**
- Illustration on pages 2 and 3 shows a LHR installation, but yours might be different.
- For manual programming instructions, see the programming guide.
- Do not overtighten fasteners.

**NON-SUPPLIED TOOLS & MATERIALS NEEDED**
- Phillips head screwdriver set
- Power Drill with 3/8" chuck
- Drill bit set (up to 1"
- 1-1/4" Hole saw w/mandrel
- Allen wrench set
- Square (90 degrees)
- Threadlocker (Loctite 242 recommended)
- Tape Measure
- Pencil
- Center Punch
- Hammer
- Chisel
- Level
- Masking tape
- Spanner screw tool

See Back Cover for:
Door, Frame and Latch Preparation

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**LATCH PREP**

- Depth of this area 3/16" [5mm]
- 3-1/4" (2.25") [57mm]
- 3-5/8" (1.63") [42mm]
- 1" (.005") [5mm] Hole into 2-1/16" [24mm] wide

Drill/Tap for #8-32 machine screws or wood screws (2 places)

**FRAME PREP**

- Depth of this area 3/32" (1.6 mm)
- 3-5/8" (1.63") [42mm]
- 3-3/16" (3.37") [80mm]
- Depth of this area 3/32" (1.6 mm)
- 4-7/8" (4.79") [125mm]

Drill for #10-24 machine screws or #12 wood screws (2 pieces)

- Door must correspond with strike center line

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**BACKSET IS MEASURED FROM CENTER OF BEVEL**

<table>
<thead>
<tr>
<th>Type</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLB</td>
<td>2-3/8&quot; (60mm)</td>
</tr>
<tr>
<td>SLB &amp; ELB</td>
<td>2-3/4&quot; (70mm)</td>
</tr>
</tbody>
</table>

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**Frame and Door**

- 7/8" (.875") [22mm]
- 3-7/8" (3.875") [98mm]
- Ø2-1/8" (Ø.125") [92mm]
- Ø19/32" (Ø.594") [15mm] TYP (2)

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*An SPC Cobra has (button montage directly below 9-0 button.

This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:
1) This device may not cause harmful interference.
2) This device must accept any interference received, including any interference that may cause undesired operation.

Changes or modifications not expressly approved by party responsible for compliance could void user’s authority to operate equipment.

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**Door Prep**
Mark on INSIDE of door

- 7/8" (.875") [22mm]
- 3-7/8" (3.875") [98mm]
- Ø2-1/8" (Ø.125") [92mm]
After door & frame have been prepared, refer to illustration below and install strike components into door frame in following order:

1. Insert A.
2. Place B against A.
3. Secure A and B with C.

After strike components have been installed, refer to illustration on right and assemble lock components onto door in following order:

1. Insert D.
2. Secure D with E.
3. Remove F from H.
4. Remove G from H.
5. From inside of door, insert H.

NOTE: Refer to Detail D-A. Latch Tabs (I) to engage with Retractor Claws (J).
6. From outside of door, install G onto H.
7. Secure G with F.

Refer to Detail D-B if handing must be changed:
- Using K (5/32” hex wrench), remove L.
- Remove and rotate M by 180 degrees.
- Slide M back onto shaft.
- Apply threadlocker to L.
- Using K, reinstall L.

IMPORTANT: If IC Core must be replaced, refer to instructions on page 3 before continuing.
8. Apply sticky side of N to O.

NOTE: P to go thru proper hole in N.
9. Refer to Detail D-C and verify that Q is at bottom.
10. Insert appropriate R (refer to Chart C-A) into S.
11. Insert P through T.
12. Place O against door.
13. Place V against X.
14. Doors thinner than 1-3/4” [44mm], place W against X.
15. Feed P through X (or W/X).
16. Place X (or W/X) against door.
17. Secure X with Y and Z.
18. Insert As into Ba.
19. Insert Ba into U.
20. Connect P to Ca.
21. Install 4, AA batteries into Da (observe polarity).
22. Place Fa over X.

Installation of hardware complete.