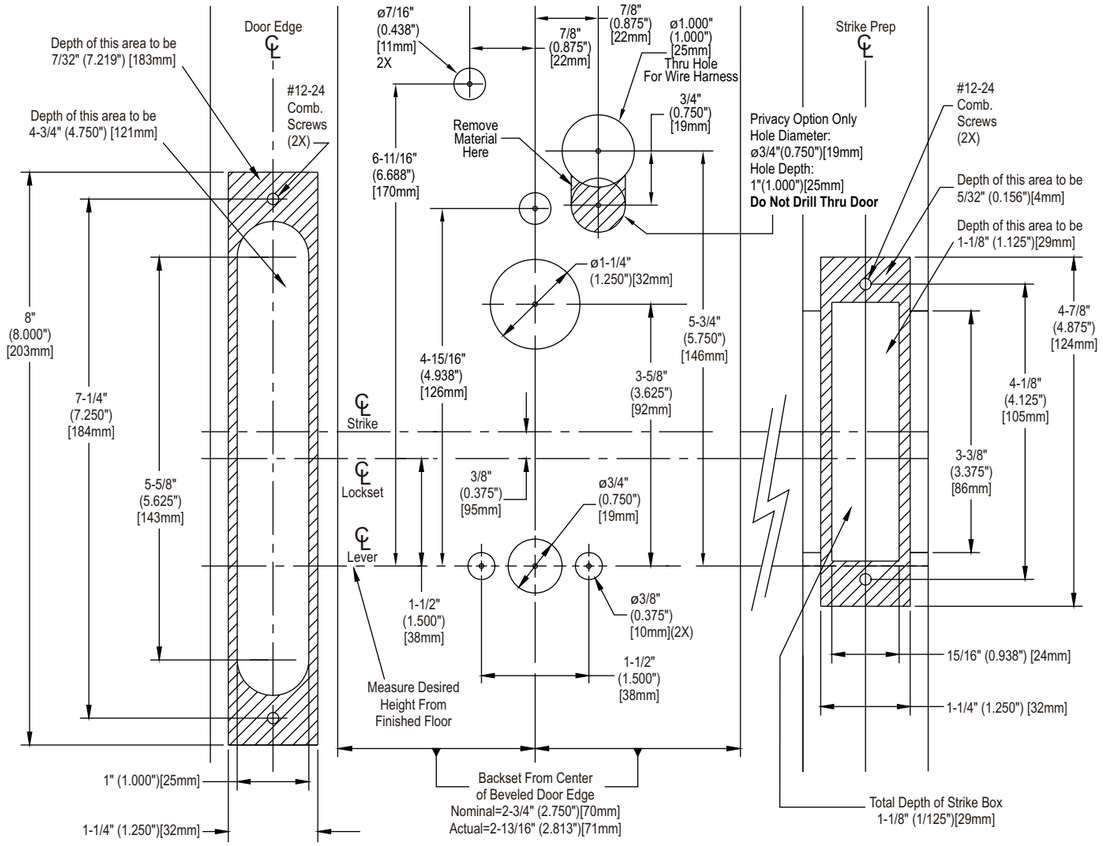
DOOR & FRAME PREP

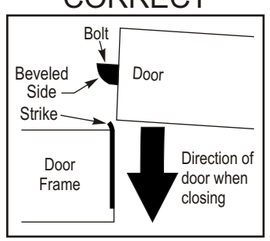
Mark on **INSIDE** of door



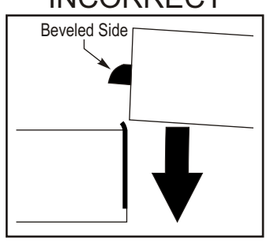
MORTISE CASE HANDING

Verify, and if necessary, reconfigure mortise case handing.

CORRECT

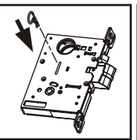


INCORRECT

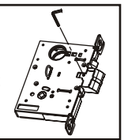


Perform steps 1 thru 6 if mortise case is handed incorrectly.

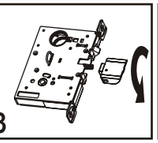
Extend bolt fully by pressing on deadlatch. Insert change key into slot to fix latch shaft in position. **1**



Use 5/64"[2mm] hex wrench to loosen latch bolt set screw. **2**

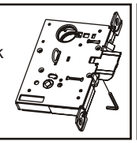


Keep spring in place as you pull latch off shaft and reverse position. **3**

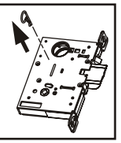


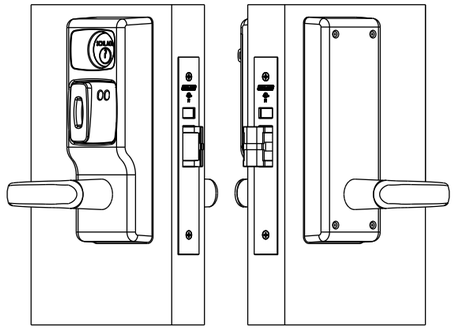
Apply thread lock compound to set screw. (Loctite 242 recommended) **4**

Push bolt firmly back onto shaft. Tighten latch set screw. **5**



Remove change key from slot. **6**





VIP5500 MORTISE SERIES (Hardwired)

Schlage Lock Company
575 Birch Street
Forestville, CT 06010
technical support: 866-322-1237
fax: 860-584-2136
web: http://www.schlage.com

INSTALLATION INSTRUCTIONS

INTRODUCTION

This manual covers the complete hardware installation of the VIP5500.

CONNECTION TO PANELS:

Connect to panels using RS485 if panel manufacturer allows a direct VIP connection. If not, a PIB (Panel Interface Board) must be used to wire as separate access control components.

See Back Cover for:
- Door & Frame Prep
- Mortise Case Handing

DIP SWITCH SETTINGS

1	2	3	4	5	6	7	8	9	10	11	12	
off	off	off	off									lock address: 01 (RSI, Interflex, VIP)
on	off	off	off									lock address: 02 (RSI, Interflex, VIP)
off	on	off	off									lock address: 03 (RSI, Interflex, VIP)
on	on	off	off									lock address: 04 (RSI, Interflex, VIP)
off	off	on	off									lock address: 05 (RSI, Interflex)
on	off	on	off									lock address: 06 (RSI, Interflex)
off	on	on	off									lock address: 07 (RSI, Interflex)
on	on	on	off									lock address: 08 (RSI, Interflex)
off	off	off	on									lock address: 09 (RSI, Interflex)
on	off	off	on									lock address: 10 (RSI, Interflex)
off	on	off	on									lock address: 11 (RSI, Interflex)
on	on	off	on									lock address: 12 (RSI, Interflex)
off	off	on	on									lock address: 13 (RSI, Interflex)
on	off	on	on									lock address: 14 (RSI, Interflex)
off	on	on	on									lock address: 15 (RSI, Interflex)
on	on	on	on									lock address: 16 (RSI, Interflex)
				off								fail secure (FSE, as ordered)
				on								fail safe (FSA, as ordered)
					off							magnetic reader (MG)
					on							proximity reader (PX)
						off	off					* VIP protocol
						on	off					* RSI protocol
						off	on					* Interflex protocol
								off				Interflex protocol baud rate: 19200
								on				Interflex protocol baud rate: 9600
									off			Reserved, not currently used.
										off		
											off	

* **VIP Protocol:** For use with PIB or SRCNX
* **RSI Protocol:** For use with RS485 connection to partner panels or bright blue.
* **InterFlex Protocol:** For use with InterFlex.

NON-SUPPLIED TOOLS & MATERIALS NEEDED

- Philips head screwdriver set
- Power Drill with 3/8"[10mm] chuck
- Drill bit set (up to 1"[25mm])
- 1-1/4"[32mm] Hole saw w/mandrel
- Allen wrench set
- Square (90 degrees)
- Loctite 242 (or equivalent)
- Tape Measure
- Pencil
- Center Punch
- Hammer
- Chisel
- Level
- Masking tape

NOTES:

- Illustration on pages 2 & 3 shows a LHR installation, but yours might be different.
- Key cylinder to be 1-1/8"[29mm] or longer with Schlage B502-191 or Schlage B502-948 or equivalent cam. If cylinder key does not work properly, check that cylinder and appropriate cylinder cam are installed in correct position.
- The two data wires from panel (Data-A & Data-B) must be shielded twisted pair.
- Power from panel = 1.0A@12VDC or 0.5A@24VDC
- For computer programming instructions, see the documentation and help files included with the computer software.
- Do not overtighten fasteners.

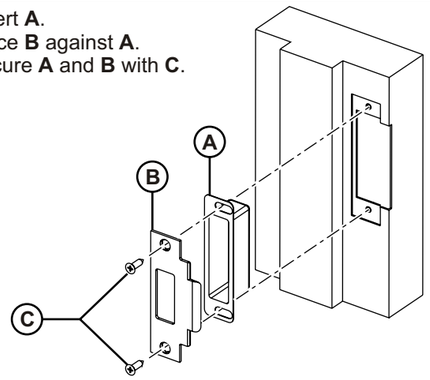
BLOCKING RING TABLE

Key Cylinder Length	Blocking Ring (Schlage P/N: XXX=finish)
1-1/4" [32mm]	1/8" [3mm] (36-079-012-XXX)
1-3/8" [35mm]	1/4" [6mm] (36-079-025-XXX)
1-1/2" [38mm]	3/8" [10mm] (36-079-037-XXX)
1-5/8" [41mm]	1/2" [13mm] (36-079-050-XXX)

57033-E 5/2008

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 - Install Mortise Lock (**E**):
> Verify that beveled side * of bolt will face **B**. If needed, refer to **Mortise Case Handing** procedure on page 4.
> Thread **D** through hole in door edge and out through **wire hole**.
> Insert **E** (Autobolt or Latchbolt).
> <u>Loosely</u> secure **E** with **F**. (DO NOT FULLY TIGHTEN **F**)

2 - Install Key Cylinder (**G**):
> If **G** is longer than 1-1/8"[29mm], slide **H** over **G** (refer to **BLOCKING RING TABLE** on page 1).
> Insert **G**.
> Slide **I** over **G**.
> Using **J**, screw **K** onto **G** until tight.
> Line up nearest notch on **K** with tab on **I**.
> Bend tab on **I** into notch of **K**.

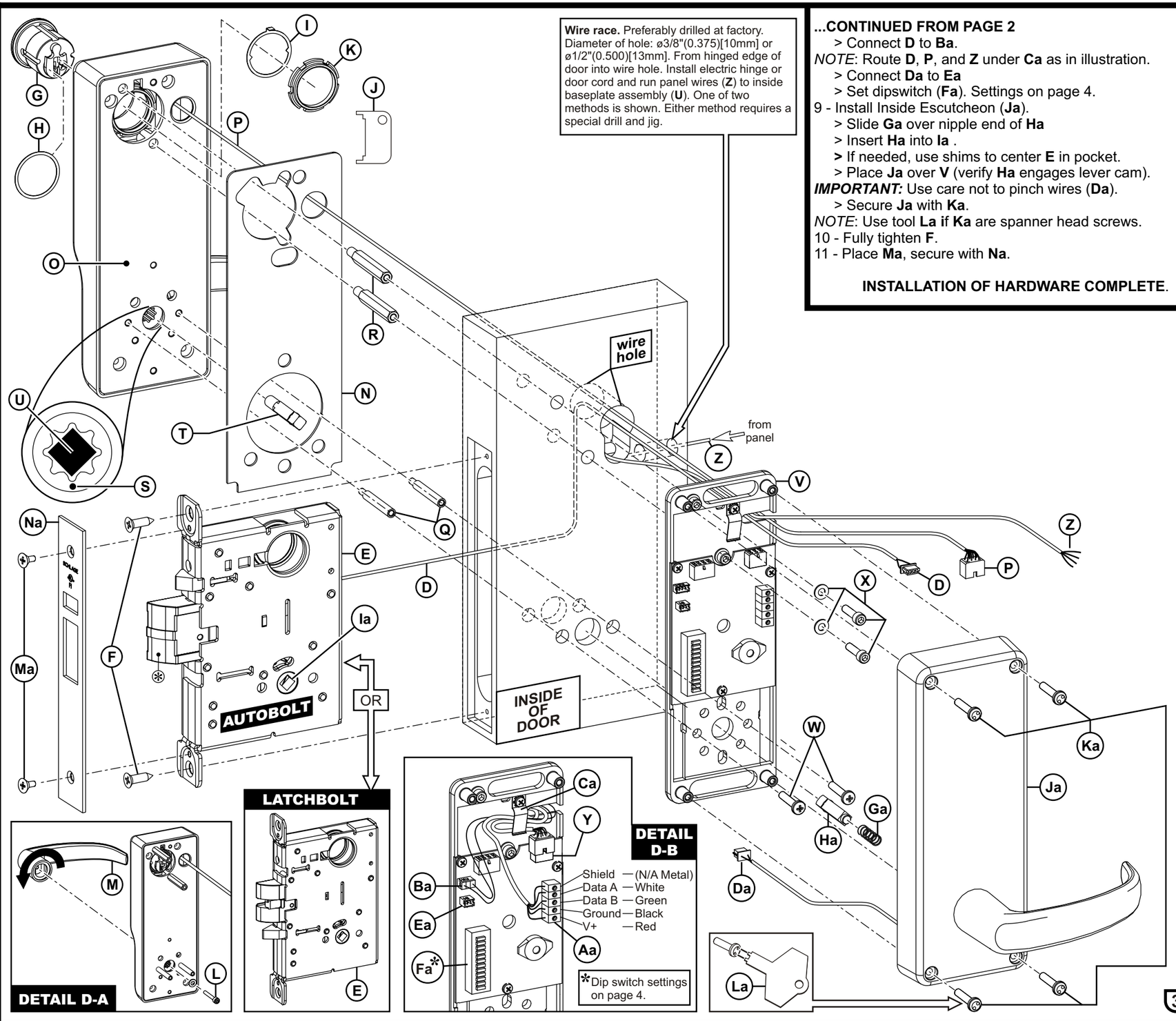
3 - If changing the Handing, (refer to **DETAIL D-A**):
> Remove: **L**, (use 5/32"[4mm] hex wrench), and **M**.
> Rotate **M** 180 degrees, slide back onto shaft.
> Apply threadlocker to **L** and reinstall.
> Inside escutcheon - repeat with **L** and **M** as above.

4 - Verify that key cylinder is functional.

5 - Mount Outside Escutcheon (**O**).
> Apply sticky side of **N** to **O** (feed **P** thru hole in **N**).
> Install **Q** and **R**.
> Verify **S** is at bottom, insert round end of **T** into **U**.
> Feed **P** through **wire hole** in door.
> Press **O** to outside of door.
> Press **V** to inside of door, secure with **W** and **X**.
NOTE: For **X**, use 5/32"[4mm] hex wrench.

6 - Making connections to the Baseplate Assembly (**V**):
IMPORTANT: Power to be off while making connections.
Refer to **DETAIL D-B** and do the following:
> Plug **P** into **Y**.
> Connect the 4 wires on **Z** to **Aa** (connect Ground first).
NOTE: Insulate shield wire from parts with tape or tubing.

CONTINUED ON PAGE 3...



Wire race. Preferably drilled at factory. Diameter of hole: ø3/8"(0.375)[10mm] or ø1/2"(0.500)[13mm]. From hinged edge of door into wire hole. Install electric hinge or door cord and run panel wires (**Z**) to inside baseplate assembly (**U**). One of two methods is shown. Either method requires a special drill and jig.

...CONTINUED FROM PAGE 2

> Connect **D** to **Ba**.
NOTE: Route **D**, **P**, and **Z** under **Ca** as in illustration.
> Connect **Da** to **Ea**
> Set dipswitch (**Fa**). Settings on page 4.

9 - Install Inside Escutcheon (**Ja**).
> Slide **Ga** over nipple end of **Ha**
> Insert **Ha** into **Ia** .
> If needed, use shims to center **E** in pocket.
> Place **Ja** over **V** (verify **Ha** engages lever cam).
IMPORTANT: Use care not to pinch wires (**Da**).
> Secure **Ja** with **Ka**.
NOTE: Use tool **La** if **Ka** are spanner head screws.

10 - Fully tighten **F**.

11 - Place **Ma**, secure with **Na**.

INSTALLATION OF HARDWARE COMPLETE.