DOOR & FRAME PREP

INSIDE

- ø1/8" (0.125") [3mm] 1" Deep [25mm] 6X
- 13/16" (0.813") [21mm]
- ø3/4" (0.750") [19mm]
- Door Contact
- CL Door Contact
- 1-5/8" (1.625") [41mm]
- 2-3/4" (2.750") [70mm]
- CL Lever
- 3/4" (.750") [19mm]
- 3/8" (0.375") [10mm]
- 2-5/8" (2.625") [67mm]
- 1-5/16" (1.313") [33mm]
- ø5/16" (0.313") [8mm] THRU 2X
- 2" (2.00") [51mm]
- LH / LHR   RH / RHR

DOOR EDGE

- ø3/4" (0.750") [19mm] To Intersect Wire Hole
- ø3/4" (0.750") [19mm]
- 5-3/4" (5.750") [146mm]
- 2-3/4" (2.750") [70mm]
- 1-5/8" (1.625") [41mm]
- 3" (3.00") [76mm]
- 13/16" (0.813") [21mm]
- 1-3/8" (1.375") [35mm]
- ø1" (1.000") [25mm] To intersect 2-1/8" hole.
- #8-32 FH Comb. 2X
- Measure backset from center of bevel.
- 1-1/8 x 2-1/4" (1.125 x 2.250") [29mm x 57mm] Depth = 3/16" (0.188") [5mm]

OUTSIDE

- 1-1/4" (1.250") [32mm]
- 5/8" (0.625") [16mm]
- ø1/8" (0.125") [3mm] Depth=1" [25mm] 4X
- 4" (4.000") [102mm]
- 1-7/16" (1.438") [37mm]
- 5" (5.000") [127mm]
- ø2-1/8" (2.125") [54mm] THRU
- 13/16" (0.813") [21mm]
- 2-3/8" (2.375") [60mm]
- 2-3/4" (2.750") [70mm]
- LH / LHR   RH / RHR

FRAME

- ø3/4" (0.750") [19mm] Depth=2" (2.000") [51mm] 4X
- #12-24 FHMS 2X
- 11/16" (0.688") [17mm]
- 5-11/16" (5.688") [144mm]
- 4-1/8" (4.125") [105mm]
- 1-1/4 x 4-7/8" (1.250 x 4.875") [32mm x 124mm] Depth = 3/16" (0.188") [5mm]
- 15/16" x 3-5/8" (.940 x 3.625") [24mm x 92mm] Depth = 1-1/8" (1.125") [29mm]

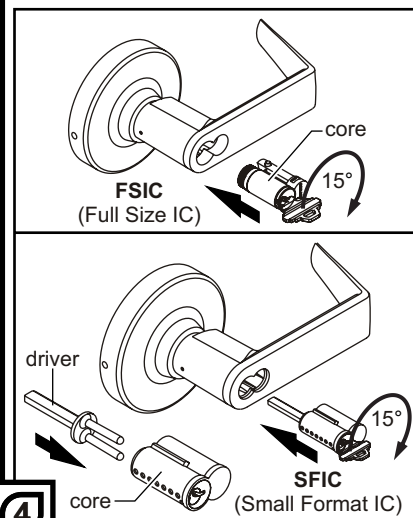✱ **Top hole:** For metal doors. Drill this side only.
Bottom hole: For wood doors. Drill thru.

### Install Interchangeable Core

FSIC: Insert key into core. Turn key 15° CW and hold. Insert core into lever.

SFIC: Insert driver into back of core. Insert key into core. Turn key 15° CW and hold. Insert core into lever.

FSIC (Full Size IC)
- core
- 15°

SFIC (Small Format IC)
- core
- driver
- 15°

Install Tailpiece

(**a**) **Remove Cyl. Cap.** Depress cap pin. Rotate cap CCW until off.
(**b**) **Select Tailpiece.** See below.
(**c**) **Install Tailpiece.** Place tailpiece against back of cyl. Place cap over tailpiece. Depress cap pin. Rotate cap CW until tight.

[a] cap pin — cap

[b] N523-023 Classic
N523-022 Everest or Primus

[c] cap
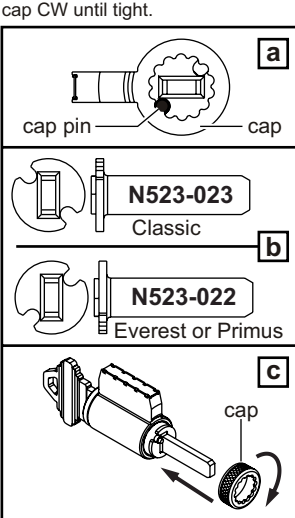
Lock Timing- SFIC & Standard

(**a**) Insert key into cylinder. Rotate key 90° CW & hold.
(**b**) Insert push pin into lever hole. Depress lever catch. Pull off lever.
(**c**) Rotate key 180° CCW. Slide lever onto spindle.

[a] 90°
[b] lever catch / push pin
[c] 180°
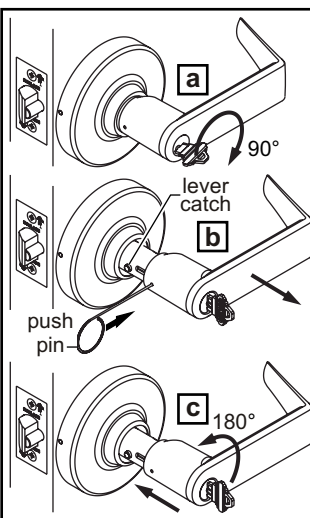
Lock Timing - LFIC

(**a**) Remove core. Remove lever assembly (refer to illustration on pages 2 and 3).
(**b**) Using provided driver tool, rotate driver 180° CW. Reinstall lock.

[a]
[b] core / driver tool (provided) / 180°

④
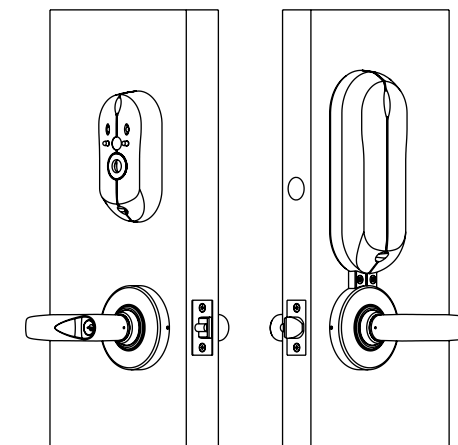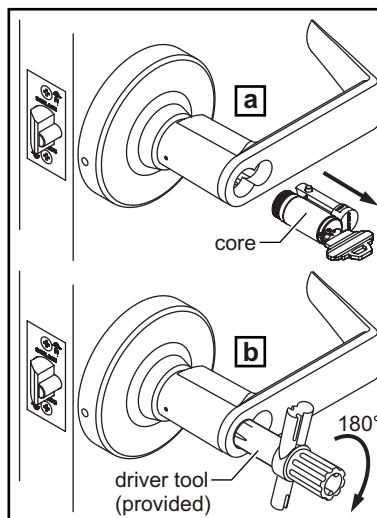
SCHLAGE®

WIRELESS ACCESS MODULAR LOCKS

WA5200 & AUWA5200 CYLINDRICAL SERIES

Ingersoll Rand
Security Technologies

Schlage Lock Company
575 Birch Street
Forrestville, CT 06010
technical support: 866-322-1237
email: SESsupport@irco.com
web: www.irsupport.net

INSTALLATION INSTRUCTIONS

INTRODUCTION:
This manual covers the complete hardware installation of all models in the WA5200 & AUWA5200 Cylindrical Series line of Wireless Access Modular Locks.

NOTES:
☞ Illustration on pages 2 and 3 shows a LH installation, but yours might be different.
☞ When mounting Reader and Transceiver:
- Wear some form of ESD protection.
- Do not use power tools to tighten mount screws. Hand tools only.
- Turn in each mount screw a little bit at a time.
- Do not over tighten mount screws.
If cylinder key does not work properly, check that cylinder and appropriate cylinder cam are installed in correct position.

NON-SUPPLIED TOOLS & MATERIALS NEEDED:
☞ Philips head screwdriver set
☞ Power Drill with 3/8"[10mm] chuck
☞ Drill bit set (up to 1"[25mm])
☞ 2-1/8"[54mm] hole saw w/mandrel
☞ Allen wrench set
☞ Square (90 degrees)
☞ Threadlocker (Loctite 242 recommended)
☞ Tape Measure
☞ Pencil
☞ Center Punch
☞ Hammer
☞ Chisel
☞ Masking tape
☞ Level
☞ Fire rated putty (recommend-Metacaulk Putty from Rectorseal Corp.)

See Back Cover for:
- Door & Frame Prep
- Interchangeable Core Installation
- Tailpiece Installation
- Lock Timing: SFIC, Standard, & LFIC

FCC Compliance
♦ This device has been authorized by the FCC Rules and Industry Canada.
♦ This device complies with the limits for a Class B digital device and a Class B intentional radiator, pursuant to Part 15 of the FCC Rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
♦ The Wireless Access System Component must be installed by qualified professionals or contractors in accordance with FCC part 15.203, Antenna Requirements.
♦ Do not use any antenna other than the one provided with the unit.

UL Compliance
♦ The WA5200 & AUWA5200 Wireless Access Cylindrical Locks are listed under UL294 as an access control system accessory.
♦ The WA5200 & AUWA5200 Wireless Access Cylindrical Locks are listed under UL10C.
♦ Access equipment manufactured and/or sold by Ingersoll Rand Security Technologies is not rated for, or intended for use in life safety installations.
♦ For UL installations that use a Door Position Switch, use a UL listed door/window contact. Door contacts for door position monitoring are not for intrusion protection.
♦ No standby power provided.
♦ The WA5200's & AUWA5200's maximum current at 12 VDC is 250 mA.

Warnings
♦ RF Exposure - To comply with FCC RF exposure requirements for mobile transmitting devices, this transmitter should only be used or installed at locations where there is normally at least a 20 cm separation between the antenna and all persons.
♦ Do not co-locate and operate in conjunction with any other antenna or transmitter.
♦ Use only the Battery Pack specified in this instruction manual.
♦ Do not subject Battery Pack to fire or high temperatures.
♦ Do not attempt to recharge, short out or disassemble Battery Pack.
♦ Follow local regulations for alkaline battery disposal.
♦ Immediately remove the batteries and discontinue use if: the product is impacted after which the interior is exposed, or the product emits a strange smell, heat, or smoke.
♦ Changes or modifications not expressly approved by Ingersoll Rand Security Technologies could void the user's authority to operate the equipment.
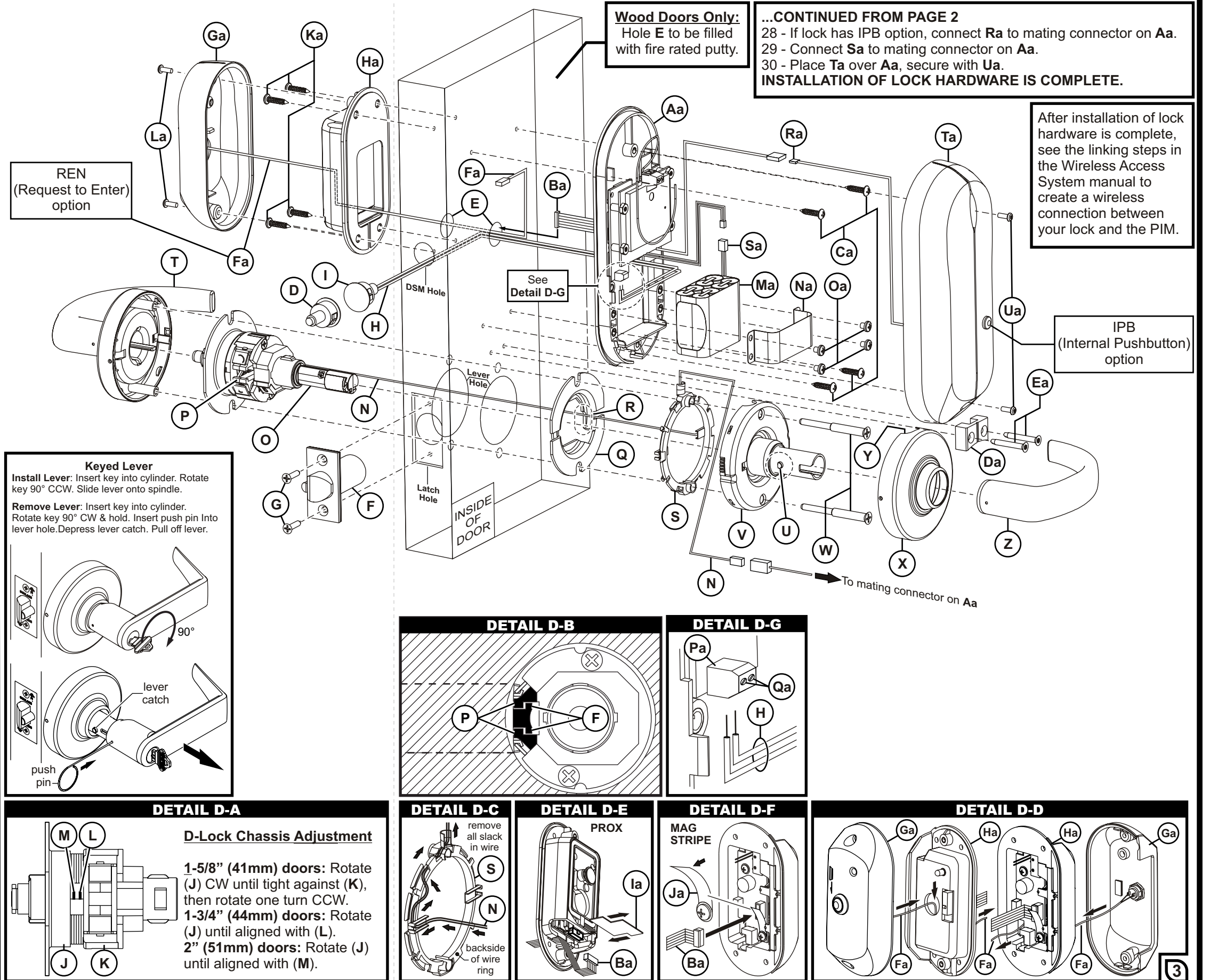
After door & frame have been prepared, refer to illustration below & install strike components into door frame in following order :

1 - Insert **A**.
2 - Place **B** against **A**, secure with **C**.
3 - Insert **D**.
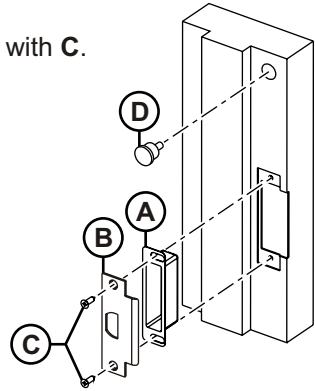
After strike components have been installed, refer to illustration on right & assemble lock components onto door in following order :

1 - For metal doors, file off all burrs on edges of thru hole **E**.
2 - Insert **F** into latch hole, secure with **G**.
3 - Feed **H** thru **DSM hole** and out thru **wire hole 1**.
4 - Insert **I** into **DSM hole**.
5 - Refer to **DETAIL D-A** and adjust the D-Lock Chassis.
6 - Feed **N** thru **Lever Hole**.
7 - Insert **O** into **Lever Hole**.
   NOTE: **P** to engage with **F**. See **DETAIL D-B**.
8 - Feed **N** thru **Q**.
9 - Align **Q** as in illustration & place against door.
   NOTE: **N** to be completely inside notch (**R**).
10 - With **S** held against **Q**, route **N** snugly around outside of **S** and out thru top. Refer to **DETAIL D-C** for routing.
11 - Fully insert **T** into outside of door.
12 - With lever catch (**U**) pointing to **F**, slide **V** over **O,** secure with **W**.
13 - Place **X** over **V** with notch (**Y**) at top.
14 - Press **Z** onto **V** until it clicks in place.
15 - Feed **H** thru square opening in **Aa**.
16 - Feed **Ba** thru **Wire Hole 1**.
17 - Place **Aa** against door, secure with **Ca**.
18 - Place **Da** over **N**, secure with **Ea**.
19 - If lock has REN option, do the following:
   >Route **Fa** on **Ga** thru **Ha**. Refer to **DETAIL D-D**.
   >Feed **Fa** thru **wire hole 1** & square opening in **Aa**.
20 - Connect **N** to the mating connector on **Aa**.
21 - Connect **Ba** to **Ha**. Refer to **DETAIL D-E** or **DETAIL D-F**.
   > If prox reader, remove **Ia**, plug in **Ba**, reinstall **Ia**.
   > If mag stripe reader, bend **Ja**, plug in **Ba**, release **Ja**.
22 - For wood doors, fill **wire hole 1** with fire rated puty.
   NOTE: Metal doors do not require **wire hole 1** to be filled.
23 - Place **Ha** against door, secure with **Ka**.
24 - Place **Ga** over **Ha**, secure with **La**.
25 - Place **Ma** into **Aa**, secure with **Na** & **Oa**.
26 - Refer to **DETAIL D-G** and insert the 2 wires (**H**) into **Pa**, secure by tightening **Qa**.
27 - If lock has REN option, connect **Fa** to mating connector on **Aa**.

2

REN (Request to Enter) option

...CONTINUED FROM PAGE 2
28 - If lock has IPB option, connect **Ra** to mating connector on **Aa**.
29 - Connect **Sa** to mating connector on **Aa**.
30 - Place **Ta** over **Aa**, secure with **Ua**.
INSTALLATION OF LOCK HARDWARE IS COMPLETE.

Wood Doors Only:
Hole **E** to be filled with fire rated putty.

After installation of lock hardware is complete, see the linking steps in the Wireless Access System manual to create a wireless connection between your lock and the PIM.

IPB (Internal Pushbutton) option

DSM Hole

See Detail D-G

Lever Hole

Latch Hole

INSIDE OF DOOR

To mating connector on **Aa**

Keyed Lever

Install Lever: Insert key into cylinder. Rotate key 90° CCW. Slide lever onto spindle.

Remove Lever: Insert key into cylinder. Rotate key 90° CW & hold. Insert push pin Into lever hole.Depress lever catch. Pull off lever.

90°

lever catch

push pin

DETAIL D-B

DETAIL D-G

DETAIL D-A

D-Lock Chassis Adjustment

1-5/8" (41mm) doors: Rotate (**J**) CW until tight against (**K**), then rotate one turn CCW.
1-3/4" (44mm) doors: Rotate (**J**) until aligned with (**L**).
2" (51mm) doors: Rotate (**J**) until aligned with (**M**).

DETAIL D-C

remove all slack in wire

backside of wire ring

DETAIL D-E

PROX

DETAIL D-F

MAG STRIPE

DETAIL D-D

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