



Please read these instructions carefully before drilling and installing any parts of the CAL Double Bolt locking system.

The latch for this system is designed for use in standard door frames (jamb). Please see section 1 – Checking the Latch, for instructions on how to check your door jamb sizing. If the latch provided does not fit your particular door jamb, please do not attempt to install.

### **Section 1: Checking the Latch**

The latch is the most important component to the CAL Double Bolt system. Before installing any part of the system to your door jamb or door, please make sure that the latch will fit your particular door jamb depth correctly. The latch must fit perfectly in the door jamb in relation to the height of the latch and depth of the door jamb. There are two common depths for door jambs in sliding doors – 5/8" and 1-1/4". The latch provided in this system is designed for a standard 5/8" door jamb depth. The system also includes two spacers to increase the height of the latch up to 3/4".

Check the depth of the door jamb by inserting the latch into the door jamb. The flat drilled section of the latch should fit flat to the back of the door jamb. The leading edge of the latch must overlap the interior wall of the door jamb frame. If the door jamb is slightly deeper than the height of the latch, place spacers on the back of the latch and check the depth again.

### **Section 2: Installing the Latch**

#### **2.1 Open Sliding Door**

If the sliding door has an existing lock, open the lock and slide door to fully opened position.

#### **2.2 Position Latch**

The latch should be installed above the existing lock. Where small children are present, you may wish to consider a position approximately half the distance between the existing door lock and the height of the sliding door.

#### **2.3 Install Latch**

Place the latch inside the door jamb (**Figure NWH-1**). Make sure that the latch correctly fits the door jamb (see "Checking the Latch"). If the latch requires spacers for the additional height, place latch over the indentation in the spacer and check the height. If a second spacer is needed, stack the second spacer to the back of the stack with raised guides fitting the first spacer cavities.

Check the height for the final fit.

Before the final latch installation, it may be necessary to remove any insulation preventing the latch from fitting snugly against the inside edge. Remove only enough insulation necessary to install the latch correctly if needed.

Hold the latch firmly in position and mark holes (**Figure NWH-2**). Remove the latch and drill 1/8" pilot holes (**Figure NWH-3**). Add spacers as required to the latch and place over pilot holes. Install latch with 1-1/2" screws supplied.

#### **2.4 Close Door (Figure NWH-4)**

If the door does not close correctly over the latch, please do not force it, as forcing the door over the latch may cause damage to your door and latch. Check that the latch is seated as close to the side of the frame as possible. If the latch is not correctly positioned, try bending the latch bolt receptor away from the door by applying pressure on the leading edge and bend away (**Figure NWH-5**). Do not bend too far, as this will affect the operation of the installed lock assembly.

### **Section 3 - Installing the CAL Double-Bolt Lock Assembly**

#### **3.1 Close Door**

See Section 2.4 Close Door

#### **3.2 Position the Lock Assembly**

Open the top and bottom sliding bolts. Position the lock so that the lock sliding pins will correctly slide into the latch. Centre the lock so that a small space above, below, and to the side of the latch is equally distanced (**Figure NWH-6**).

#### **3.3 Close Lock**

Close the lock into position by sliding the top and bottom sliding bolts into the latch. Re-centre the lock if necessary to the final installed position.

### **3.4 Install Lock Assembly**

Locate four holes in lock assembly. Mark holes with marking pencil. Drill holes with 1/8" drill bit (**Figure NWH-7**). Mount the lock assembly over the holes and install with 3/4" screws. Test the lock by sliding the top and bottom locking pins to open and locked positions. The pins should slide freely. If necessary, loosen the screws and then slightly reposition the lock and tighten the screws.

### **3.5 Install Cover Plate**

*(If you purchased the optional handle, please proceed to 3.6)*

To install the standard cover plate, position the cover plate over the lock assembly and push firmly from side-to-side until the tabs on either side of the cover plate snap into position (**Figure NWH-8**).

### **3.6 Install Handle (Optional)**

If you purchased the optional inside handle, in the lock assembly remove the two holding screws that are in the centre of the lock body. Position the handle over the lock assembly and install with the 1" flat head screws provided with the handle.

### **3.7 Install Exterior Handle (Optional)**

*We recommend that the exterior handle is not positioned opposite the interior lock assemblies. Avoid installing screws that may interfere with the operation of the lock.*

To install the exterior handle, position the handle to a convenient height. Hold the exterior handle firmly and mark holes. Drill 1/8" pilot holes. Install the exterior handle with 3/4" screws enclosed.

## **Section 4 - Warranty and Service**

### **4.1 Troubleshooting**

If your original lock does not lock correctly, this may be caused by the height of the CAL latch backplate now positioned in your door jamb. In order to correct the problem, simply remove the original door manufacturers' latch and re-install with washers placed behind the original latch. The washers will provide additional height for your original latch and correct the problem. Due to the variety of original locks from different suppliers, washers are not included with the CAL Double-Bolt Locking System.

### **4.2 Service**

The CAL lock surface and latch should be cleaned with mild detergent. Do not use abrasive cloths or cleaning agents as this may scratch the lock surface. Dry with a soft cloth. Do not allow locking pins to stay wet. Lubricate locking pins with light oil, silicone or lock lubricant.

### **4.3 Warranty**

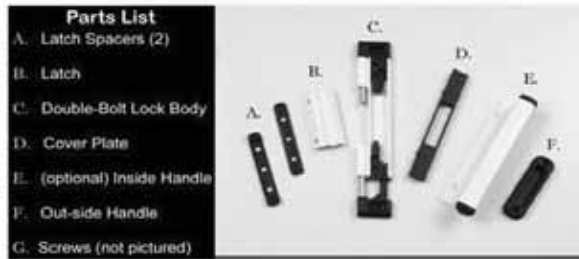
CAL products are manufactured to the highest standards of quality and workmanship. CAL warrants to the original purchaser that the CAL Double-Bolt lock system will operate free of manufacturing defects for a period of one year from the date of purchase. This warranty is valid to the original purchaser and excludes product damage from misuse, improper installation and abuse of any kind. The warranty does not cover damage to finish caused by effects of weathering, scratching or use of improper lubrication or cleaning. In the event of a claim covered by this warranty, the purchaser must provide in writing a description of the problem, a copy of the original purchase receipt, along with your name, address and daytime telephone number. CAL will replace any defective part for installation by the original purchaser. CAL will not be liable for labour charges, damage to doors or surfaces, or any incidental or consequential damage. The purchaser accepts responsibility for suitability of installation.



# CAL Double-Bolt Lock

Patented High Security locking system for sliding doors and windows

No. 5,934,719  
International Patent No. GB-230-4368-B \* 920100083



Peace  
of mind  
is only a  
Double  
"CLICK"  
away!



### Recommended Tools Needed for Installation

For Safety and Ease of installation, CAL recommends these helpful tools. For your protection. Please wear safety glasses when drilling installation holes.

Drill - 1/8" Drill Bit - Phillips Screw Driver - Tape Measure - Utility Knife  
Safety Glasses - (Optional) Phillips Drill Driver Bit

FIGURE NWH-1



FIGURE NWH-2



FIGURE NWH-3



FIGURE NWH-4



FIGURE NWH-5



FIGURE NWH-6



FIGURE NWH-7



FIGURE NWH-8

