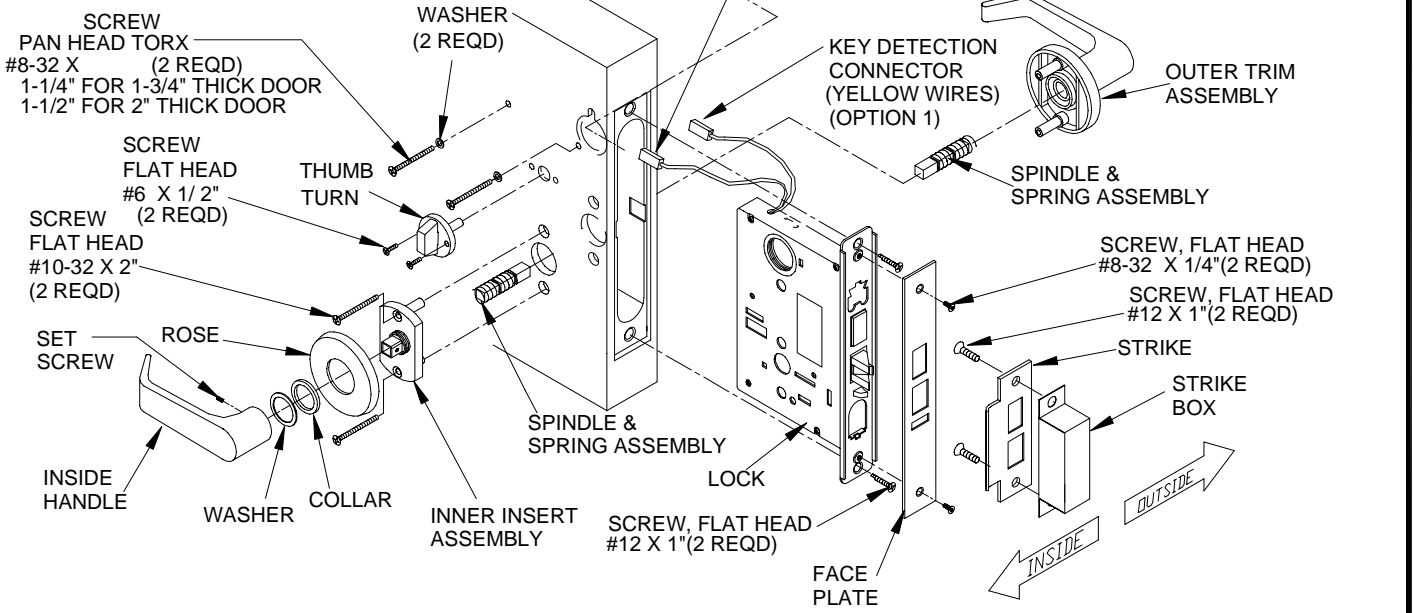
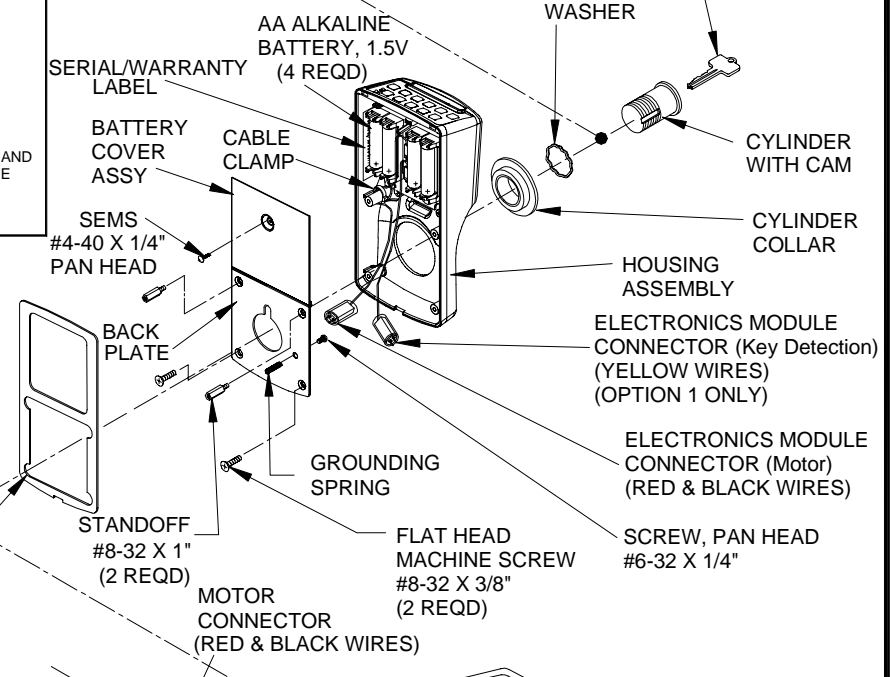
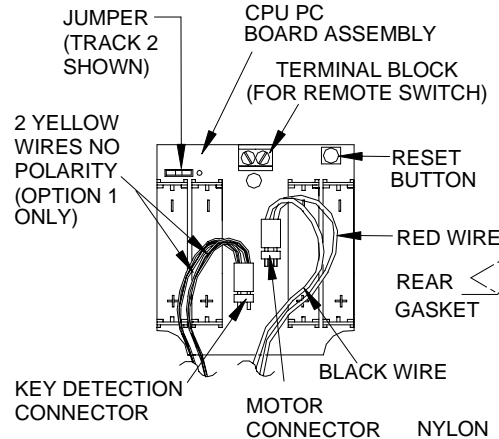
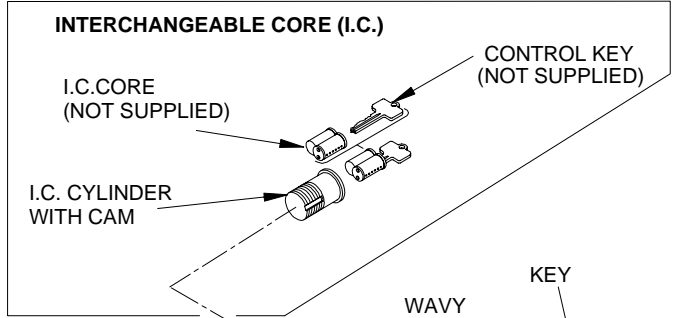
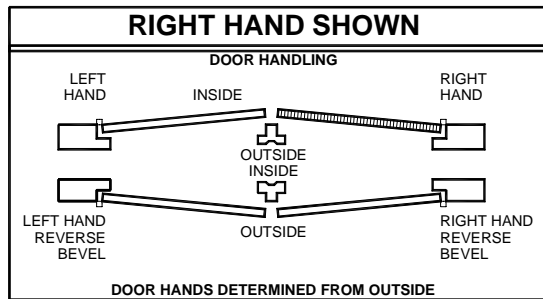


INSTALLATION INSTRUCTIONS FOR OM2000 SERIES NON-WEATHERIZED, MORTISE LOCKSETS USING FALCON LM SERIES LOCKS (LEVER)

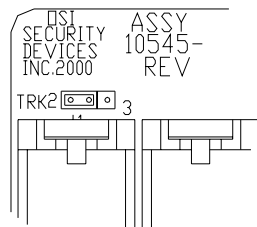
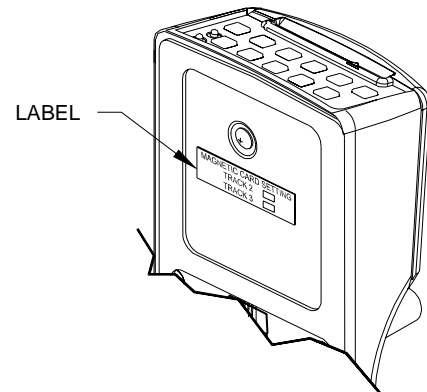
WARNING: THIS PRODUCT IS NOT WARRANTED FOR OUTDOOR USE!
NOTE: A DOOR-CLOSER IS HIGHLY RECOMMENDED FOR USE WITH THIS PRODUCT.

THIS PRODUCT IS NORMALLY FACTORY-PACKED FOR RIGHT-HAND 1-3/4" THICK DOORS. TO CHANGE HAND OF LOCK, SEE INSTRUCTION SECTION 2

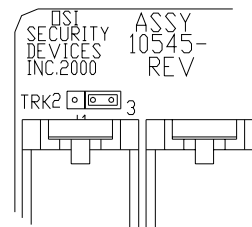


SECTION 1: CHECK OPERATION

- a. To verify proper operation of the OMNILOCK System, connect the Motor Connector to the Electronics Module Connector so that the Red Wires are aligned. If Option 1 is installed, connect the Option 1 Connector (Yellow wires) to the Electronics Module Connector (Yellow wires), there is no polarity.
- b. Verify proper Keypad operation of the System by entering the Default Master ID 1234 at the Keypad. The System will flash green once and unlock, then, during the open delay it will flash green five (5) times. It will then flash red and lock.
- c. Verify proper operation of the Magnetic Card Reader. A Label on the Battery Cover indicates the magnetic card track, Track 2 or Track 3, that the Lockset is set to read. Select the corresponding Default Master ID Card, insert and remove it with the magnetic stripe on the card aligned with the "V" mark by the card slot. The lights will flash as in the previous step.
- d. While unlocked, check for proper operation of the Lockset.
- e. If Option 1 is installed, verify proper operation of the Key Detection Indicator.
 1. Install the Key Cylinder into the Lock so that the cam on the end of the Cylinder is approximately centered in the Lock and the keyway is at the bottom.
 2. Tighten the Cylinder Retaining Screw to keep the the Cylinder from turning.
 3. Insert the Key into the Key Cylinder and rotate the Key to operate the Latch Bolt. The green light will flash.
- f. If the Lock malfunctions, remove the Battery Cover and check for proper orientation and seating of the Batteries, the Motor Connector and the Key Detection Connector (Option 1). Check that the Track Selection Jumper is in the desired position. Also ensure that the wires are not pinched. Reset the electronics by pressing and holding the Reset Button on the circuit board for approximately three (3) seconds, until the light flashes green. The Lockset will go through a self test and flash green five (5) times. Replace the Battery Cover. Now repeat the verification process.
- g. After verifying proper operation, if your system requires use of the other magnetic track, proceed as follows, otherwise go to Step h:
 1. Remove the Battery Cover Retaining Screw and the Battery Cover.
 2. Move the Track Selection Jumper on the upper left corner of the circuit board to the desired track position.



TRACK 2 SETTING



TRACK 3 SETTING

3. Mark the Label on the Battery Cover to indicate the selected track.
 4. Replace the Battery Cover and secure with the Screw.
 5. Insert and remove the corresponding Default Master ID Card. The lights will flash green once and unlock, then, during the Open DelayTime it will flash green five (5) times. It will then flash red and lock.
- h. If the verification process was successful, disconnect the Motor Connector. If Option 1 is installed, disconnect the Option 1 Connector and remove the Key Cylinder from the Lock.

SECTION 2: ADJUST THE LOCK HAND

2-1 This section is only required if the lock hand, as received, does not meet your requirements. The Lock is normally preset for a right hand door. Verify the hand of the Lock and if required, Change the hand of the Lock as follows, after checking per Section 1.

NOTE: If the Lock has a Dead Bolt, it must be in the retracted position when reversing hand.

a. REMOVE COVER

1. Remove the four Cover Retaining Screws and slowly remove the Cover from the Case.

b. REVERSE LATCH BOLT ASSEMBLY

1. Lift out the Cylinder Retract Lever, if included.
2. Lift out the Upper Retract Arm, if included.
3. Compress the Latch Bolt Spring toward the Face Plate to clear the Latch Bolt Guide Seat. Lift out and invert the Latch Bolt Assembly. Place the Latch Bolt Spring into the Latch Bolt Guide Seat.

NOTE: Lower Retract Arm (below the Upper Retract Arm) must be between the Latch Bolt Foot and the Latch Bolt Guide.

c. REVERSE HUBS

1. To reverse, pull the Coupling toward the rear of the Case.
2. Lift out both Hubs together, invert as an assembly and replace.
3. Ease the Coupling back against the Hubs.

d. REASSEMBLE RETRACT ARM AND LEVER

1. Replace the Upper Retract Arm so that the Arm fits into the space between the Latch Bolt Foot and the Coupling.
2. Replace the Cylinder Retract Lever so that it straddles the Dead Bolt Pin.
3. Replace the Cover guiding the "T" Turn Hub into the Cover hole. Depress the Latch Bolt to clear the Foot.

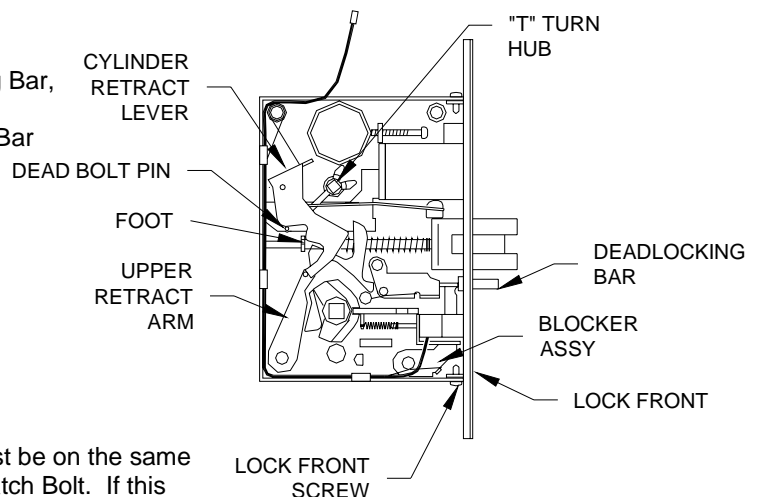
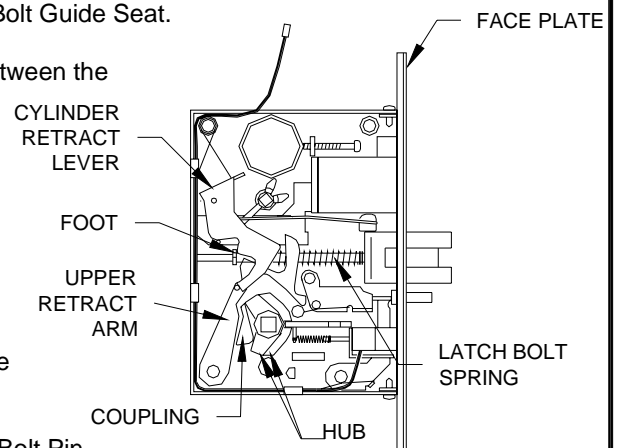
NOTE: A Phillips head screw driver inserted through the Cover into the "T" Turn Hub will retain the Hub and Cylinder Retract Lever in proper location while replacing the Cover.

e. REPLACE THE COVER RETAINING SCREWS.

f. REVERSE DEADLOCKING BAR

1. Remove the Face Plate. Remove the Deadlocking Bar, reverse it and replace it back into the Assembly. (Push against Blocker Assy to allow Deadlocking Bar to be easily inserted)
2. Replace the Face Plate.

NOTE: The Concave Face of the Deadlocking Bar must be on the same side of the Door as the Beveled Face on the Latch Bolt. If this condition is not met, the Latch Bolt will be blocked from being able to be depressed as it comes into contact with the Strike.

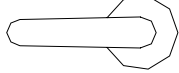


2-2 REVERSE HANDLE RETURN SPRING

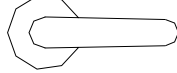
Example shown is a right hand being changed to a left hand. Reverse the sequence to change from a left hand to a right hand.

Note: Inside Trim is always opposite the Outside Trim

LH/LHR

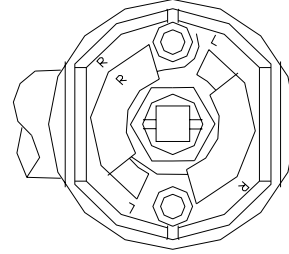


RH/RHR

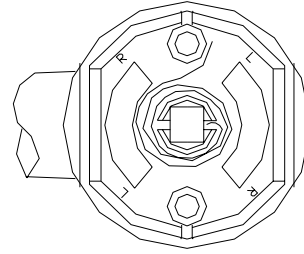
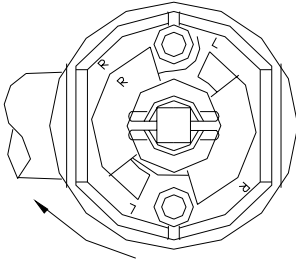


LEVER/HANDLE VIEW FROM OUTSIDE

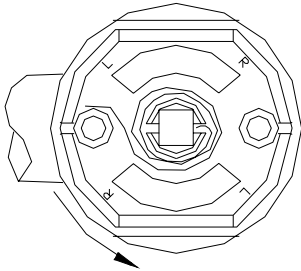
a. Holding the Lever as shown, bend the Tab of the Lock Washer back flat. Remove the Nut.



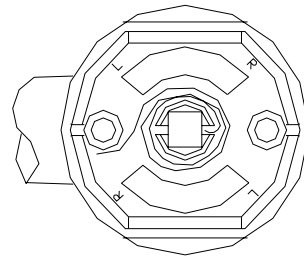
b. Holding the Lever securely, rotate the Rose Assembly clockwise slightly and remove the Plate and Lock Washer.



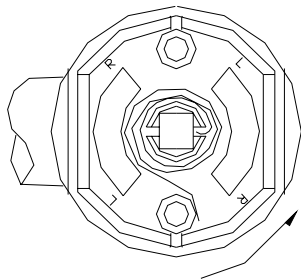
c. Using caution, allow the Rose Assembly to rotate counterclockwise to relieve Spring Tension.



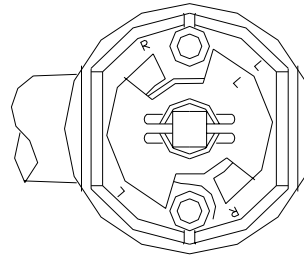
d. Remove the Spring and reinstall with the Spring Hook on the opposite side of the Post.



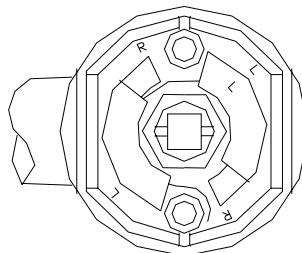
e. Holding the Lever securely, rotate the Rose Assembly counterclockwise slightly past 90°.



f. Reinstall the Plate with the "L" side up and in line with the "L" on the Rose Assembly.



g. Reinstall the Lock Washer and the Nut. Tighten the Nut and then back off slightly until the Rose Assy rotates freely under the Plate. Bend up one Tab of the Lock Washer against the Nut.



3-1

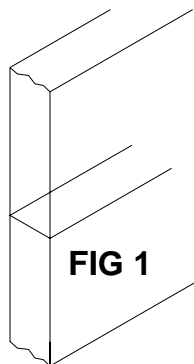


FIG 1

a. Draw a horizontal centerline on both sides and edge of the Door at the desired Knob Center Height (Fig. 1).

NOTE: If the Frame has already been prepared for a Falcon Strike. Install the Strike and use the Strike Lip as a reference to locate the horizontal centerline position. Mark the Door 3/16" below the bottom of the Strike Lip as illustrated in Fig.2 and draw horizontal centerlines on the Door at this position as illustrated in Fig.1.

LOCATING POSITION OF HORIZONTAL CENTERLINE WHEN FRAME HAS BEEN PREPARED FOR STRIKE

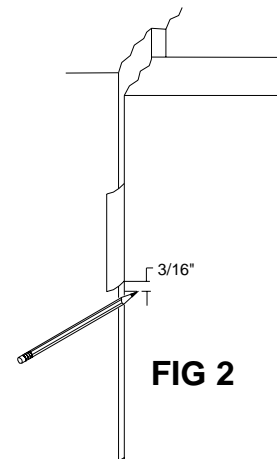


FIG 2

b. Using the Backset Locator furnished, mark two points on each side of the Door, above and below the horizontal line. (Fig.3). Draw a vertical line through the two points on each side of the Door.

c. Separate the Door Edge Template from the Door Surface Template. Position the correct side of the Door Surface Template on the outside face of the Door, aligning the Locator points with the horizontal and vertical lines drawn on the Door as illustrated in Fig. 4

CAUTION: Spot only those holes required for the Lockset being installed, and mark the Strike Lip position on the Frame.

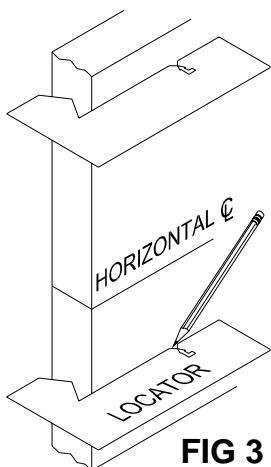


FIG 3

LOCATING VERTICAL ϕ

d. Using the opposite side of the Template, position on the inside face of the Door aligning locator points with the horizontal and vertical lines drawn on the Door and spot the required holes.

e. Center the Door Edge portion of the Template on the Door edge and align the horizontal Locator points with the horizontal line drawn on the Door. Mark the top and bottom points of the Case Mortise and the Face Plate top reference as illustrated in Fig.5.

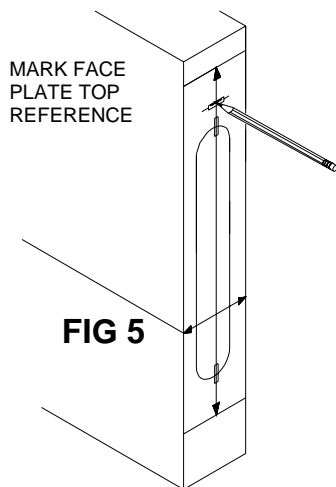


FIG 5

MARK FACE PLATE TOP REFERENCE

MARK STRIKE LIP POSITION ON FRAME.
NOTE:
BOTTOM OF LIP IS 3/16" ABOVE HORIZONTAL ϕ

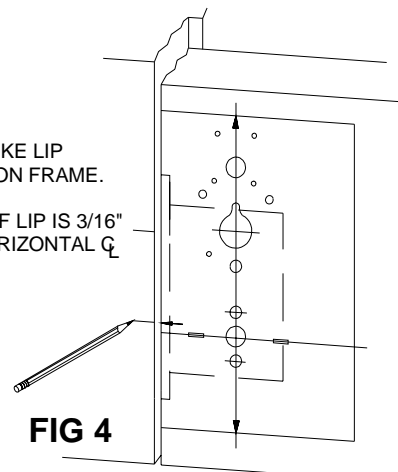


FIG 4

3-2

a. Mortise the Door edge for the Lock Case to the dimensions shown on the Template. Insert the Lock (with Face Plate) in Mortise.

CAUTION: Do not pinch the Motor Wires.

b. Align the top of the Face Plate with the reference mark and scribe the Face Plate outline as illustrated in Fig.6. Mortise to the front thickness.

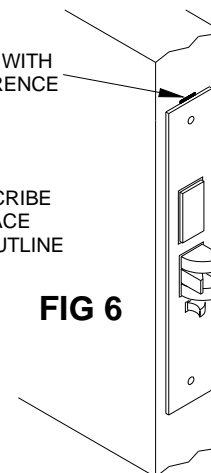
c. Drill the required side holes through the outside and inside faces of the Door.

CAUTION: Drill the holes only halfway through the Door from each side.

ALIGN WITH REFERENCE MARK

SCRIBE FACE OUTLINE

FIG 6



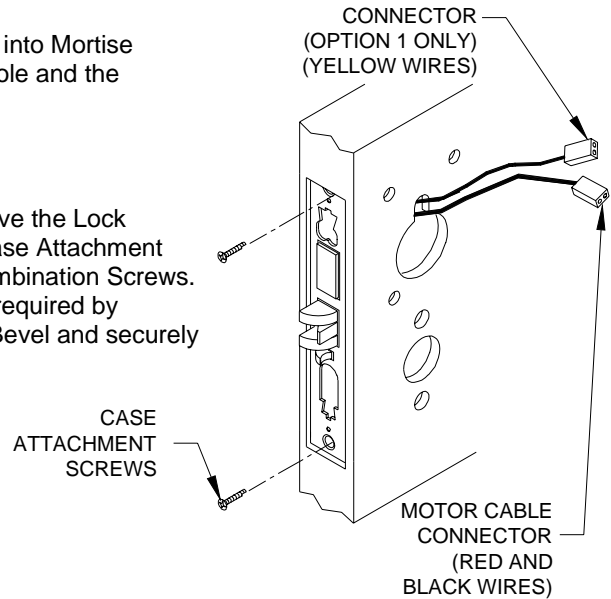
SECTION 4: INSTALL THE LOCK

4-1

- a. Remove the Face Plate and guide the Connector(s) and the Lock into Mortise so that the Cable(s) passes through the slot above the Cylinder hole and the Lock is seated in the Mortise.

CAUTION: Do not pinch the Cable(s).

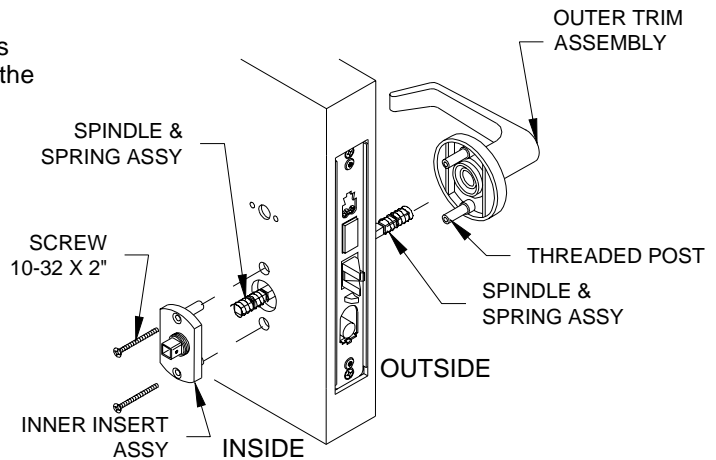
- b. Mark the hole location for the Case Attachment Screws and remove the Lock from the Mortise. For Wood Doors, drill 1/8" Dia. pilot holes for Case Attachment Screws, and counter drill the holes 7/32" dia. x 3/16" deep for Combination Screws. For Metal Doors, drill 3/16" dia. holes. Adjust the Front Bevel as required by loosening the Screws at the top and bottom of the Case, set the Bevel and securely re-tighten the Screws. Install the Lock.



4-2 ATTACH THE TRIM

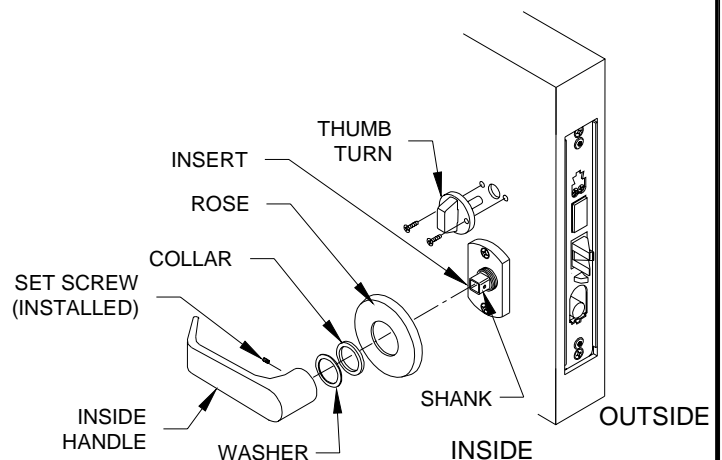
- a. Insert the Inner and Outer Spindle and Spring Assemblies into the Lock Hubs. Place the Outer Trim Assembly over the Outer Spindle and Spring Assembly.

- b. Place the Inner Insert Assembly over the Inner Spindle and Spring Assembly. Put the Screws through the Insert and thread into the Posts of the Outer Trim until tight.



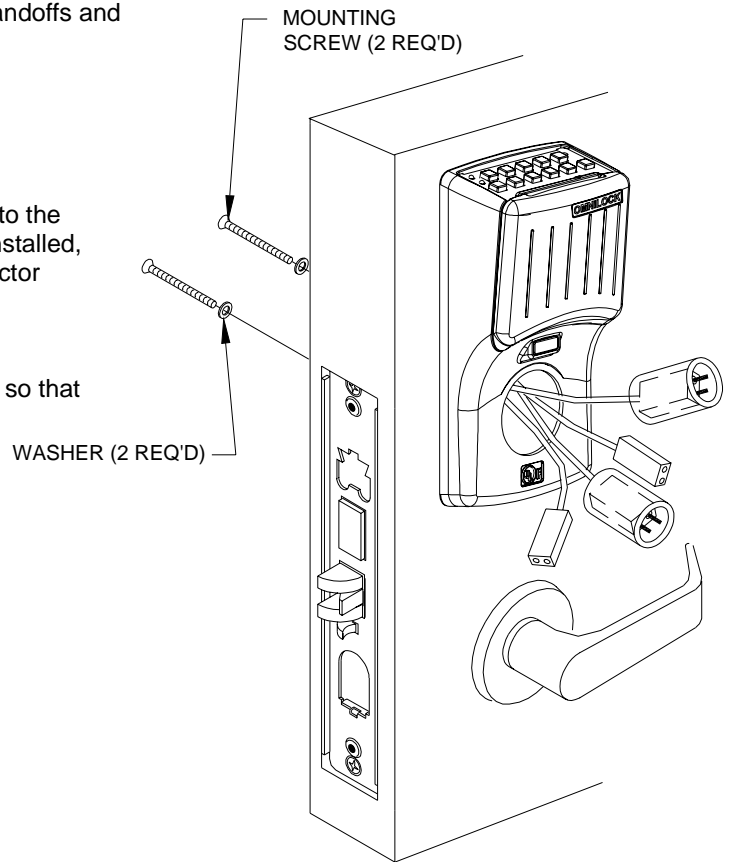
- c. Place the Rose over the Insert, thread on the Collar and tighten with the Spanner Wrench. Place the Washer over the Outside of the Shank. Put the Inside Handle on the Shank, and as you are pressing toward the Door, tighten the Set Screw in the Handle until tight.

- d. Install the Thumb Turn if required.



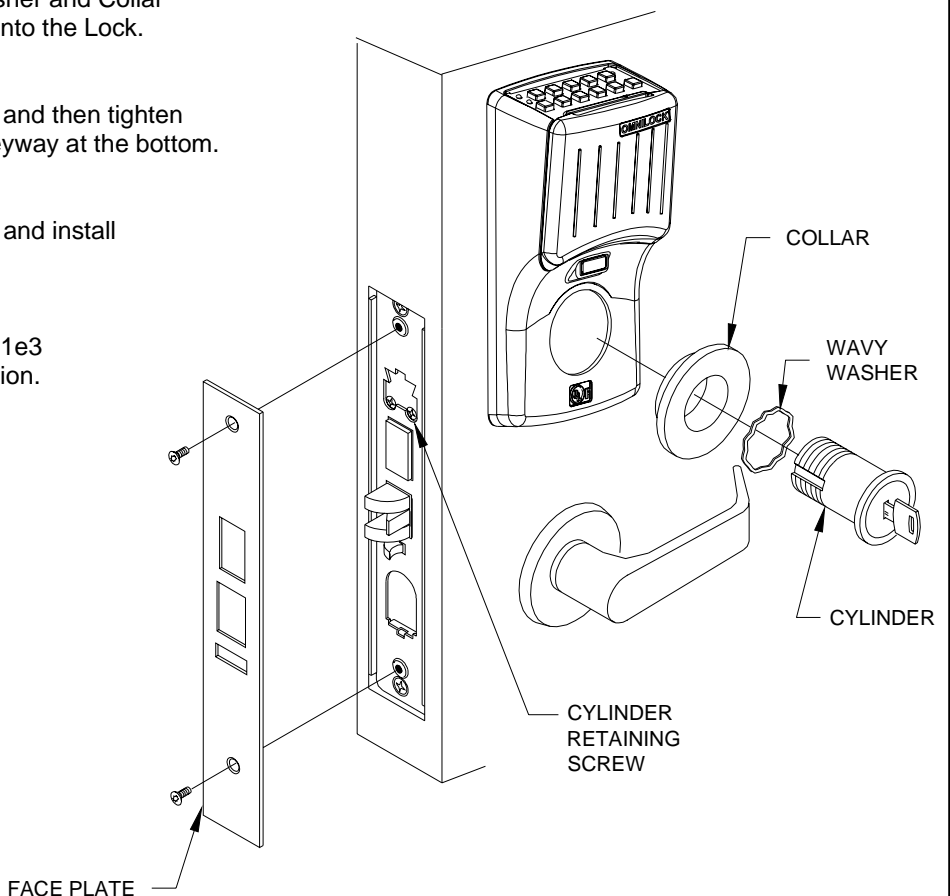
4-3 INSTALL THE ELECTRONICS MODULE

- a. Guide the the Connector(s) through the front hole in the Module, and place the Module against the Door so that the Standoffs and the Grounding Spring enter their respective holes.
- b. Install the mounting Screws and Washers finger tight.
- c. Connect the Motor Connector (Red and Black Wires) to the Module Connector so that the Wire colors match. If installed, connect the Option 1 Connector to the Module Connector (Yellow Wires).
- d. Insert the Cables and the Connectors into the Module so that they are clear of the Cylinder Hole.



4-4 INSTALL THE CYLINDER

- a. Insert the Cylinder with the Wavy Washer and Collar into the Module and partially screw it into the Lock.
- b. Tighten the Module Mounting Screws and then tighten the Cylinder until it is snug with the keyway at the bottom.
- c. Tighten the Cylinder Retaining Screw and install the Face Plate.
- d. Repeat Step 1b through 1d, and step 1e3 if Option 1 is installed, to verify operation.



SECTION 5: INSTALL THE STRIKE

a. Draw a vertical line on the Door Frame 1/2 the Door thickness from the Door Stop.

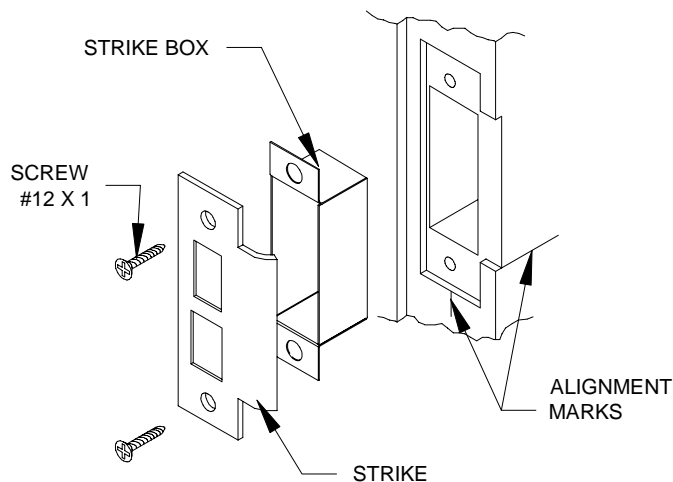
CAUTION: Allow for paint buildup or weather stripping if required.

b. Select the Strike with the proper hand condition and align the bottom edge of the Strike Lip with the mark on the Door Frame and align the center of the mounting holes in the Strike with the vertical line on the frame. Using the Strike as a template, mark the Door Frame.

c. Using the Strike Box as a template, mark the Door Frame.

d. Mortise the Frame to accept the Strike and Strike Box.

e. Install the Strike Box and the Strike and secure with the Screws.



NOTE: For wood doors, drill 1/8" dia. pilot holes and counter drill the holes 7/32" dia. x 3/16" deep for combination Screws. For metal doors, drill 3/16" dia. holes.

SECTION 6: PROGRAMMING THE SYSTEM

IMPORTANT: To avoid unauthorized access, it is important to program a new Master ID.

Refer to the OMNILOCK OM2000 Lockset User Guide and to the OMNILOCK OM2000 Software User Guide for programming instructions. If the Lockset has been installed on a door before the required programming information is available, the Access Level may be set to unlocked as follows:

1. Enter the Default Manager ID 2222 at the Keypad, the green light will flash.
2. Press 2, the green light will flash.
3. Press and hold the CL key until the green light flashes four times.
(The light will flash once when the CL key is first pressed, continue to hold the key until the light flashes three more times.)
4. The Lock will remain in the Unlocked mode.

INSTALLER NOTE: Leave these instructions with the user.