

DOREX® F500 COMBO

Smart Electronic Entry Handleset

Installation Instructions

READ THIS FIRST

1. Please read these installation instructions carefully before installing or using this door lock. Pay special attention to items marked **⚠**.
2. **Do not install on hollow doors without proper reinforcement.** Door must provide an proper solid wood lock stile or reinforcement at required location. Without adequate support, the installation may warp or bow the door surface and prevent the lock from functioning properly.
3. These instructions are meant for field installation or preparation on a wood door and frame. Not recommended as preparation documents for door manufacturing. Please request documentation for door manufacturing or hollow metal door and metal frame preparation or visit www.dorex.com.
4. **Do not use power tools** to install door hardware. Excessive tightening of screws or bolts may affect the installation and/or lock function.
5. This document describes a recommended installation based on common product and industry standards. It is the responsibility of the installer to determine the validity or suitability of these recommendations for a particular purpose or installation.
6. These instructions should be passed on to the owner/operator on completion of installation.

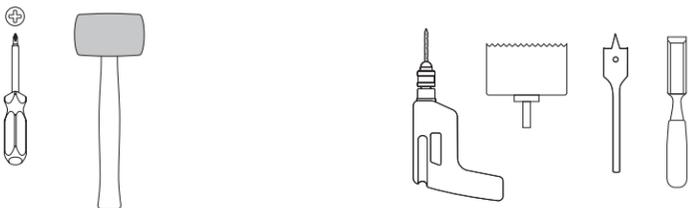
⚠ This document provided as-is, manufacturer reserves the right to make technical changes without prior notice.

LOCK MAINTENANCE

1. Check the door every three months to ensure the door has not become misaligned. Verify the lock is properly secured and functions properly and smoothly.
2. Lubricate keyed locks using graphite powder or silicone spray lubricants sparingly. Spray a small amount of lubricant into the keyway. Then, run the key in and out of the lock repeatedly, wiping any debris from the key each time. Lubricate locks annually, or when needed.

⚠ Do not use graphite powders if already using liquid lubricants.
Do not use petroleum based lubricants.

REQUIRED TOOLS



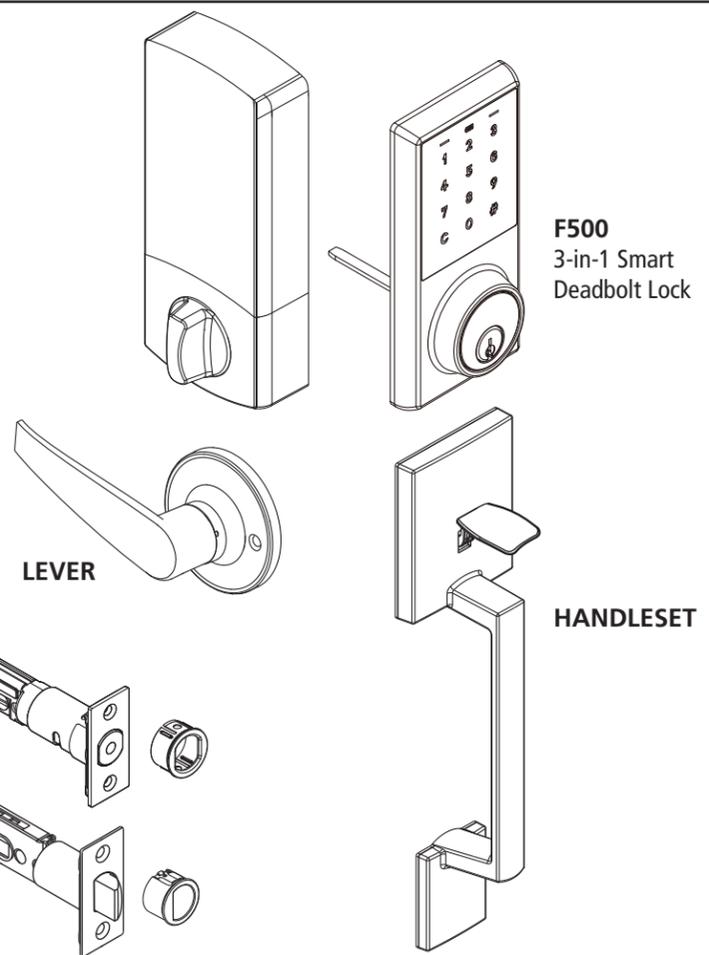
For lock installation:

- a. Phillips-head screwdriver.
- b. Rubber mallet (optional).

⚠ Do not use power tools to install door hardware, excessive tightening of screws or bolts may affect installation or functioning.

For wood door and frame preparation:

- a. Power drill.
- b. 2-1/8" (54 mm) dia. hole saw
- c. 1" (25.4 mm) dia. spade drill bit.
- d. 1" (25.4 mm) wood chisel.
- e. 3/8" (10 mm) drill bit.
- f. 1/8" (3 mm) drill bit (optional).



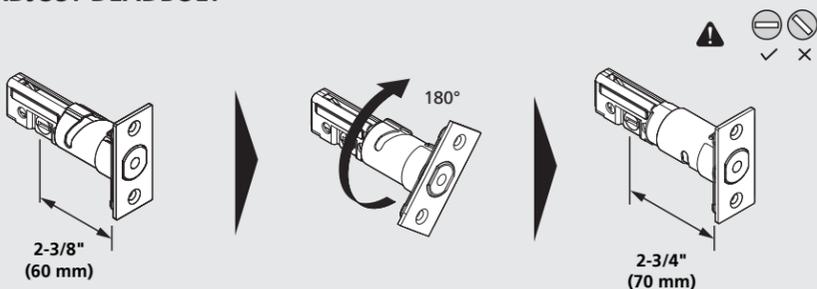
SCREW CHART

Handleset	Where Used	Quantity
AA. Flat Head #8-32 Combo Screw, 3/4" (19 mm)	Latch faceplates	4
BB. Oval Head #8-32 Machine Screw, 1-13/16" (46 mm)	Lever mounting	2
CC. Oval Head #8-32 Machine Screw, 1-1/4" (32 mm)	Handle mounting	1
Electronic Deadbolt	Where Used	Quantity
A. Flat Head #12-24 Machine Screw, 2-1/2" (63.5 mm)	Deadbolt mounting	2
B. Oval Head #8-32 Machine Screw, 1-5/8" (42 mm)	Deadbolt mounting	1
C. Pan Head #8-32 Machine screw, 3/4" (19 mm)	Battery pack	2
D. Flat Head #8-32 Combo Screw, 3/4" (19 mm)	Strikes	4
E. Flat Head #12 Wood Screw, 3" (76 mm)	Security strike	2

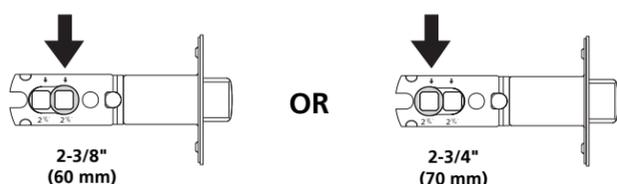
1a ADJUST BACKSET (If required.)

⚠ BACKSET is preset at the factory to 2-3/8" (60mm). If a 2-3/4" (70 mm) backset is required please adjust as shown below.

ADJUST DEADBOLT



ADJUST SPRING LATCH



Does not require adjustment.

The latch will support the 2-3/8" (60 mm) / 2-3/4" (70 mm) mm backset without an adjustment. Finally insert the spindle through the required hole.

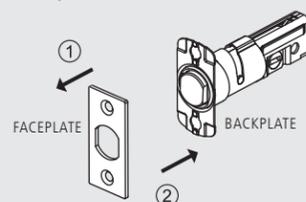
1b CONVERT FACEPLATE (If required)

⚠ If mortised faceplate for either the deadbolt or spring latch is converted to drive-in, any applied fire-rating will be nullified.

⚠ For drive-in type latches, we recommend an edge-bore of 31/32" (25 mm) diameter for a tighter fit.

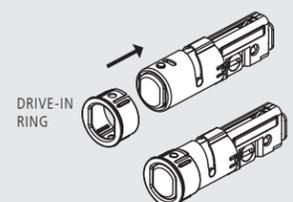
To change the deadbolt faceplate:

1. Use a flat screwdriver to separate the faceplate from the latch backplate.
2. Snap the selected faceplate onto the backplate.



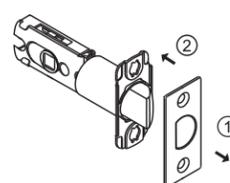
To change to drive-in:

1. Use a flat screwdriver to separate the faceplate and backplate from the latch.
2. Align ring as shown, then snap into place.



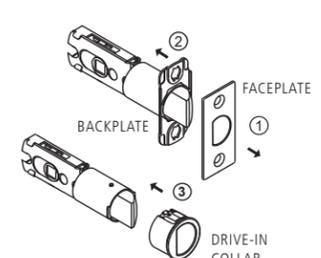
To change the deadbolt faceplate:

1. Use a flat screwdriver to separate the faceplate from the latch backplate.
2. Snap the selected faceplate onto the backplate.

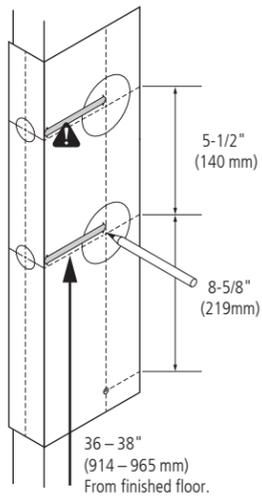


To change to drive-in:

1. Use a flat screwdriver to separate the faceplate and backplate from the latch.
2. Slide back the backplate to remove it.
3. Align the round drive-in collar with the latch bolt and push it on the latch until it snaps-in.



2 MARK DOOR

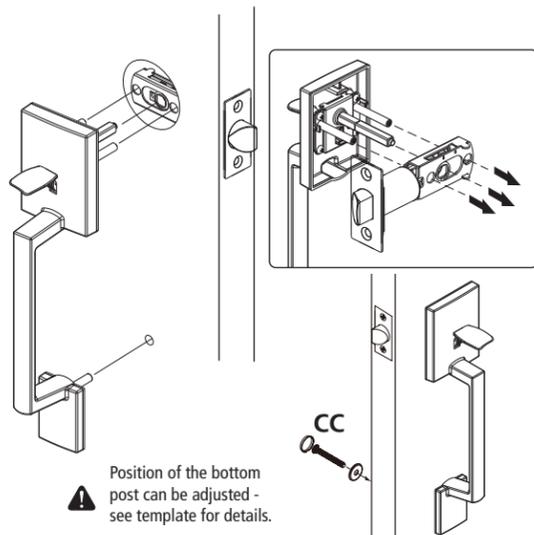


- Mark a horizontal centerline at the desired height for the lock from the finished floor. 36-38 in (914-965 mm) is typical.
- Determine thickness of the door and make center mark for 1" (25.4 mm) on the door edge.
- Cut out and fold the template over door edge at marked height and mark the center of the lower 2-1/8" (54 mm) hole on door surface at required backset.

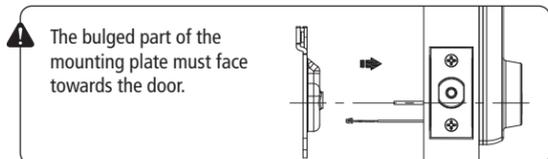
⚠ Verify required backset marking or drilling.

5 INSTALL HANDLE

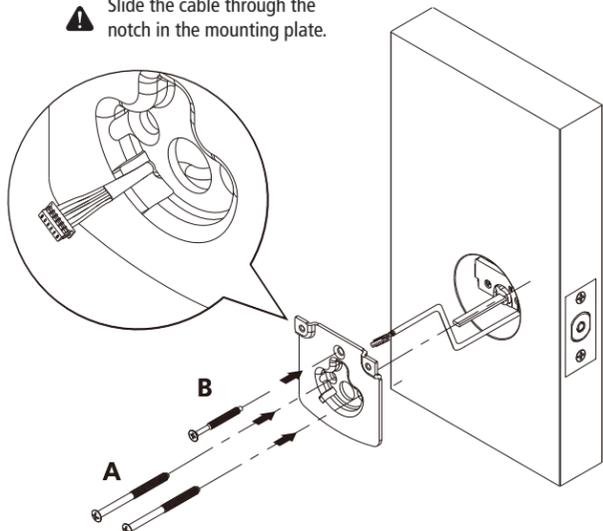
Place exterior handle with stems and square spindle into latch as shown. Press tightly against door face.



8 INSTALL MOUNTING PLATE

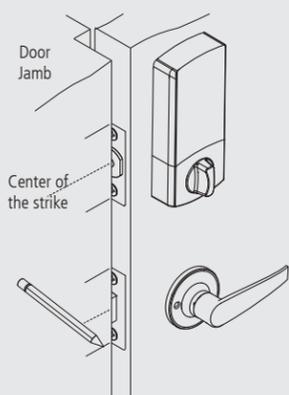


⚠ Slide the cable through the notch in the mounting plate.

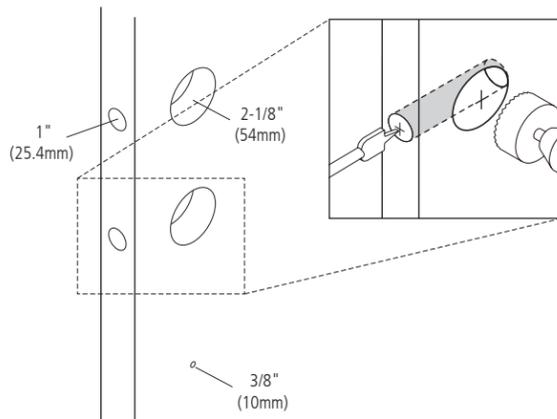


11 MARK DOOR FRAME

- Close the door until latch and deadbolt faceplate touch the door jamb. Mark the door jamb as shown.
- Determine and make the center of the strikes.



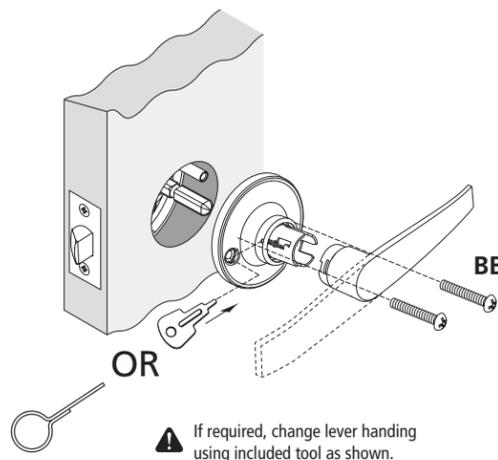
3 DRILL HOLES



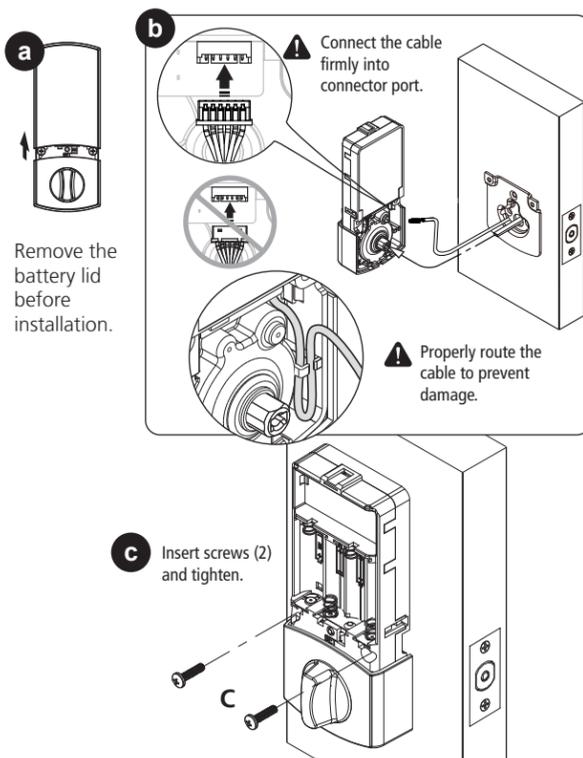
- FIRST, saw-cut a 2-1/8" (54 mm) diameter hole on the door surface.
 - ⚠ Saw-cut from both sides to prevent splitting of wood finish or veneer.
- Drill 1" (25.4mm) diameter hole. Ensure that the hole center is at the 1/2 of the door thickness point.
 - ⚠ If using a drive-in latch, drill a 31/32" (25mm) hole for a tighter fit.
- Drill the 3/8" (10mm) lower hole THROUGH the door.

6 INSTALL INTERIOR LEVER

Fasten the interior mechanism to the handle firmly using screws as shown below. Assemble the lever as shown below.

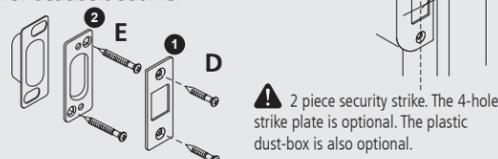


9 INSTALL INTERIOR ASSEMBLY

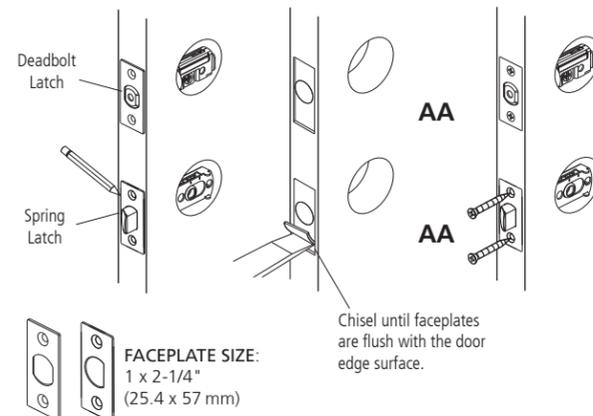


12 MARK STRIKE OUTLINES

- Measure one-half of the door thickness from the door stop, and vertically mark the strike centerline.
- Place the strikes into position and outline with a pencil and determine drill center points.
- Use the 2-hole security strike for deadbolt outline.



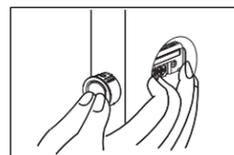
4 INSTALL LATCHES



- Insert latch and deadbolt into prepared holes, keeping faceplates parallel to the edge of the door. Mark the outline of the faceplates and remove the latch and deadbolt.
- Chisel 5/32" (4mm) deep or until spring latch faceplate is flush with door edge surface.
- Chisel 3/16" (4.8mm) deep for the deadbolt or until flush.

⚠ Cuts must be parallel to the door edge.

- Insert latch and deadbolt as shown, then secure with included wood screws.

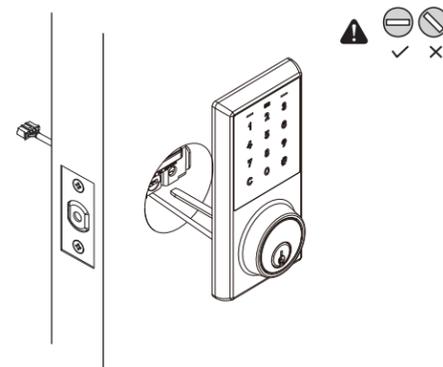


FOR DRIVE-IN LATCH

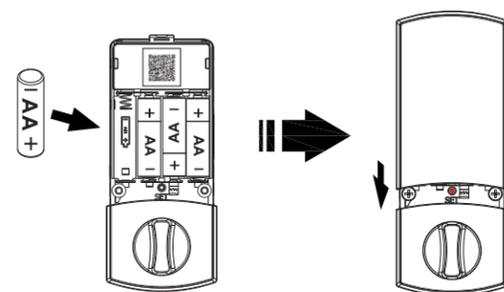
Insert latch in to the hole as shown until flush with door edge. Use a rubber mallet or wood block and hammer if necessary.

7 INSTALL EXTERIOR ASSEMBLY

Insert the exterior assembly with the tailpiece in the horizontal position through the hub of the latch. Thread the cable under the deadbolt latch as shown.



10 INSTALL BATTERIES



Insert 4 (AA) 1.5V alkaline batteries and secure the lid.

Reinstall the battery lid.

⚠ For best results, use new, non-rechargeable alkaline batteries from the same brand.

For initial programming and set-up of the electronic lock, please refer to the F500 User Guide.

13 DRILL HOLES & INSTALL STRIKES

- Drill 1" (25.4mm) holes into the door jamb as shown. To ensure proper latching, holes should be 1" (25.4mm) deep.
- Chisel out the strike outlines 1/16" (1.6mm) deep or until the strikes are flush to the surface of the door jamb.
- If using the full 2-piece security strike, chisel 3/16" (4.8mm) deep or until flush. Drilled hole will have to become a 1-5/8" x 1" (42 x 25.4mm) as shown the right.
- Install screws as required.

