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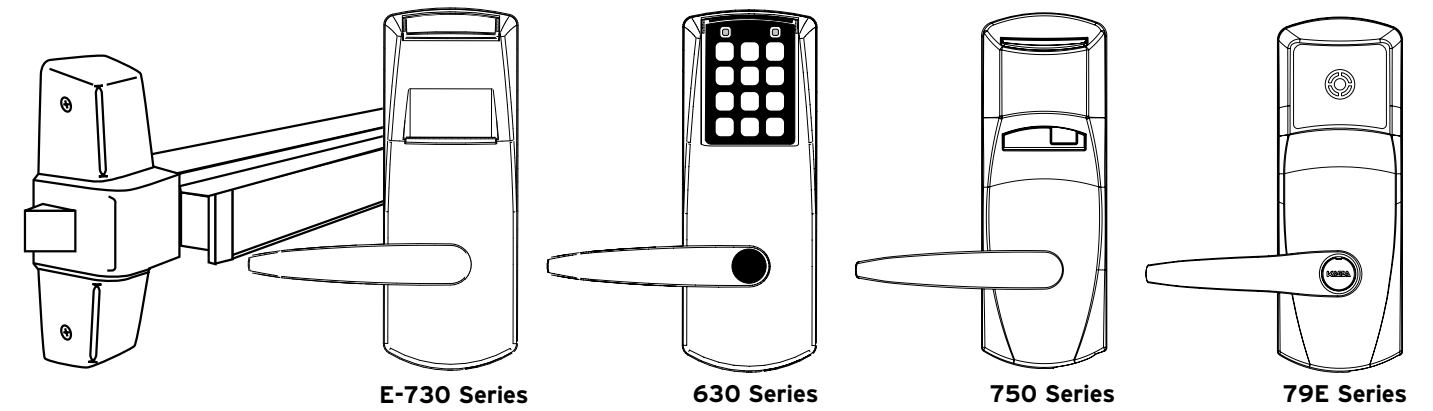
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INSTALLATION GUIDE

Exit Device Operators - Generation E-730 / 630 / 750 / 79E Series

PK2925-T_11_07

Note for Contactless 790 customers:

Statement according to FCC part 15.105

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Consult the dealer or an experienced radio/TV technician for help.**

Statement according to FCC part 15.21

Modifications not expressly approved by Kaba Ilco could void the user's authority to operate the equipment.

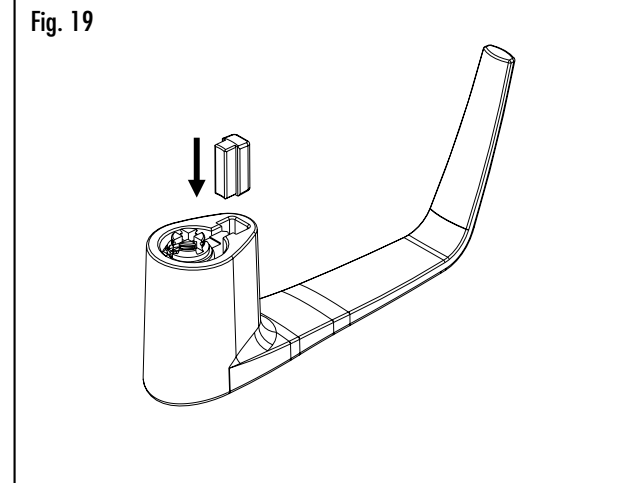
Statement according to FCC part 15.19

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

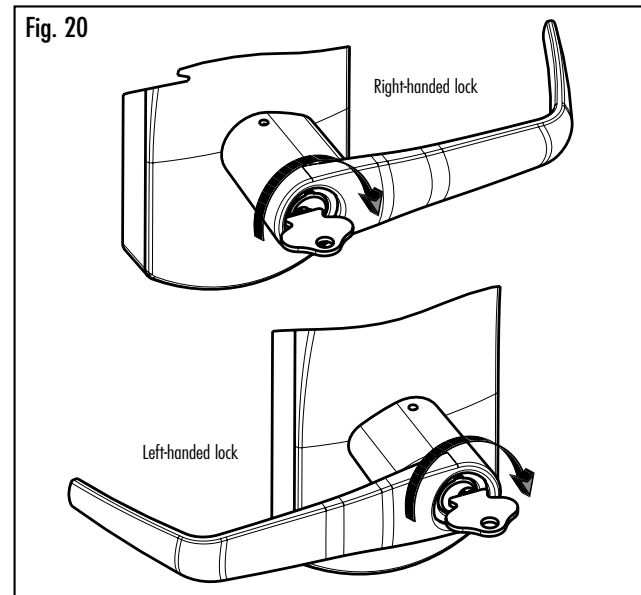
- (1) this device may not cause harmful interference, and**
- (2) this device must accept any interference received, including interference that may cause undesired operation.**

HOW TO CHANGE LOCK CYLINDERS (continued)

31. Re-insert the cylinder plug (Fig. 19)



- 32. While holding the cylinder and plug in place, insert the key
- 33. Turn the key approximately 100° clockwise
- 34. Repeat the steps 1 to 9 to attach the lever handle to the lock housing. (see Fig. 20)

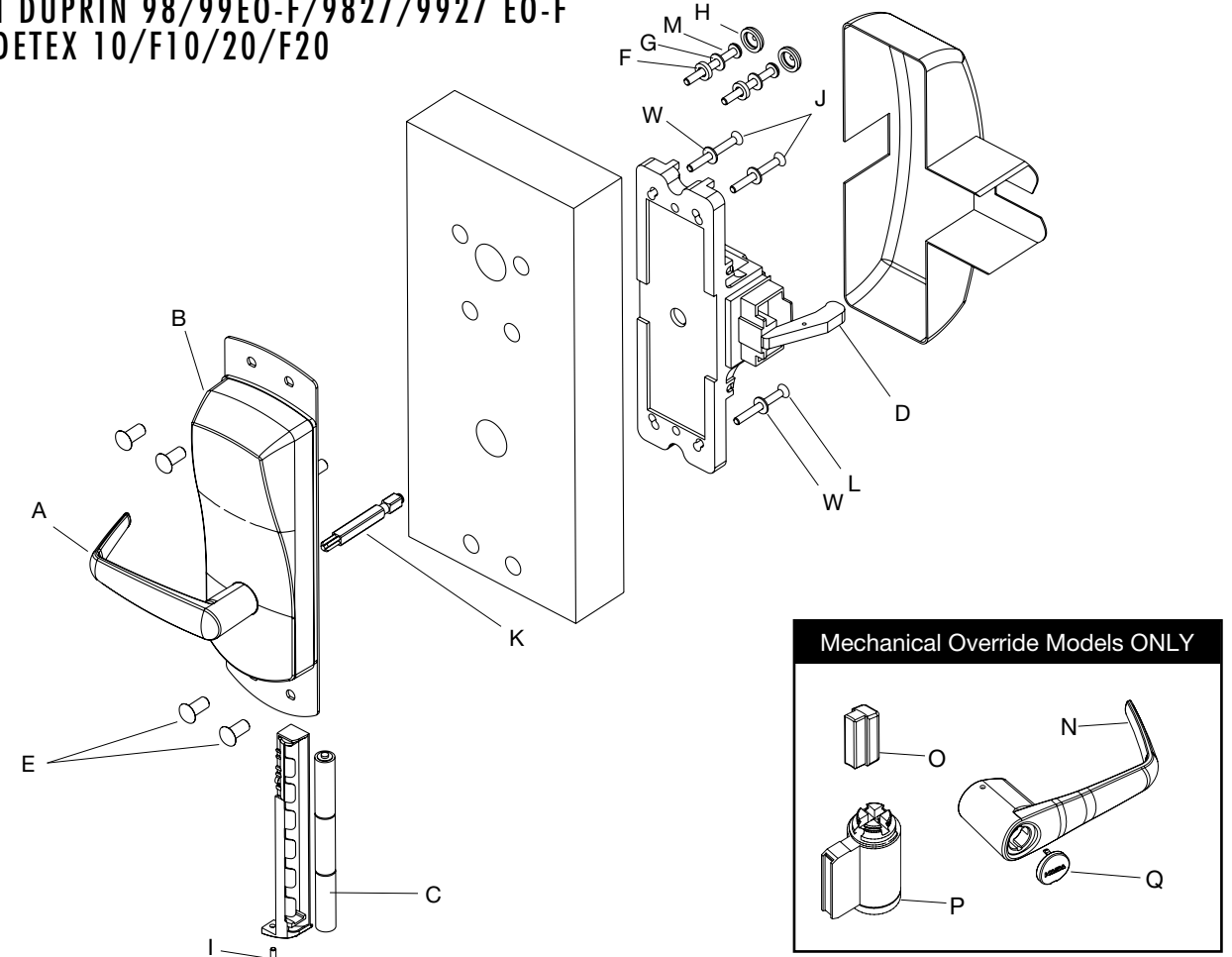


⚠ Important: The Key Override itself does not retract the latch or deadbolt. Do not use too much force when turning the key as this may damage the unit. To retract the latch, turn the key clockwise until it stops, release the key and turn the lever handle (H). See page 15

⚠ Note: The lever handle must stay in the horizontal position when turning the key (do not try to turn the key while turning the handle) or the override mechanism will not work.

⚠ Important: Always keep the door open while installing and verifying the functionality of the E-730/630/750/79E lock with the keycard or key override. Do not close the door until you are certain that you have installed the unit correctly.

**I CHECKLIST FOR PRECISION EXIT DEVICES 21/22/FL21/FL22
VON DUPRIN 98/99EO-F/9827/9927 EO-F
** DETEX 10/F10/20/F20**



** Detex 10 & 20 Series are Panic Hardware only. (Not fire rated)
Detex F10 & F20 Series are Fire Exit Hardware (Fire Rated)

Each Generation E-730/630/750/79E lockset includes:

- (A) Outside lever handle
- (B) Outside housing/ Gasket /Adapter plate
- (C) Battery holder with 3 AA batteries
- (D) Exit Device (Included if ordered with lock operator)

Parts inside hardware bag:

- (E) 4 x Mounting Plate Bushing
- (F) 2 x Snap Screw Retainer Cup
- (G) 2 x Washer No. 8
- (H) 2 x Snap Screw Cap
- (I) 1 x Spanner-head Screw
- (J) 2 x Mounting Screw (10-24 1/8" Hex)
- (W) 4 x Flat Washer 1/2 OD X 7/32 ID for Detex Exit Device Only
K/L/M Available for Thin and Thick Doors
- (K) 2 x Spindle for Precision, Von Duprin and 1 spindle for Detex
- (L) 2 x Mounting screw (10-24 1/8" Hex)
- (M) 2 x Mounting Screw (10-24 Pan head Philips)

Mechanical Override Models ONLY:

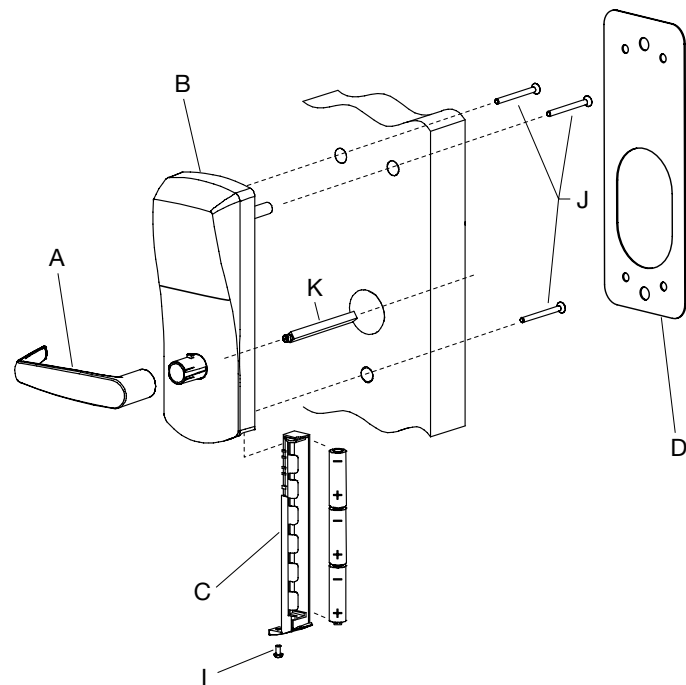
- (N) Outside Lever Handle
- (O) Cylinder Plug
- (P) Cylinder (for 630 series lock with cylinders keyed different ONLY)
- (Q) Cylinder Cap

Tools Required:

- | | |
|---------------------------------|----------------------------|
| Safety glasses | Spanner screwdriver (No 6) |
| 1/4" (6.5mm) drill bit | 1/8" Allen key |
| 1/2" (13mm) drill bit | Adjustable square |
| 1" (25mm) drill bit or hole saw | Tape measure |
| Drill | Pencil |
| Awl or center punch | Tape |
| Hammer | Cleaning supplies |
| Rubber mallet | (drop cloth, vacuum) |
| Small flat screwdriver | |
| Philips #2 screwdriver | |

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I CHECKLIST FOR STANDARD EXIT DEVICES



D

221 222 223
Inside Dress Plates

Dress Plate Part #	For Exit Devices Manufactured By
061-510221	Arrow S3808/S1808 S1908/S3908 S1708/S3708
061-510222	Von Duprin 9875/9975 EO-F, Precision 1103/FL1103
061-510223	Yale 7100-36

Each Generation E-730/630/750/79E lockset includes:

- (A) Outside lever handle
- (B) Outside housing
- (C) Battery holder with 3 AA batteries
- (D) Inside dress plate

Parts inside hardware bag:

- (K) 1 x Spindle
- (I) 1 x Torx-head screw
- (J) 3 x mounting screws (10-24, 1/8" hex head)

Tools Required:

- | | |
|---------------------------------|-------------------------|
| Safety glasses | Torx screwdriver (T-15) |
| 1/4" (6.5mm) drill bit | 1/8" Allen key |
| 1/2" (13mm) drill bit | Adjustable square |
| 1" (25mm) drill bit or hole saw | Tape measure |
| Drill | Pencil |
| Awl or center punch | Tape |
| Hammer | Cleaning supplies |
| Rubber mallet | (drop cloth, vacuum) |
| Small flat screwdriver | |

II INTRODUCTION AND DISCLAIMERS

⚠ Please read and follow all directions carefully.

Target Audience

Please read and follow all directions carefully. These instructions are designed for use by maintenance professionals or lock installers who are familiar with common safety practices and competent to perform the steps described. Kaba Ilco is not responsible for damage or malfunction due to incorrect installation, that may arise.

Warnings and Conditions

⚠ Important: Carefully inspect windows, doorframe, door, etc. to ensure that the recommended procedures will not cause damage. Kaba's standard warranty does not cover damages caused by installation.

⚠ Caution: Wear safety glasses when making the holes.

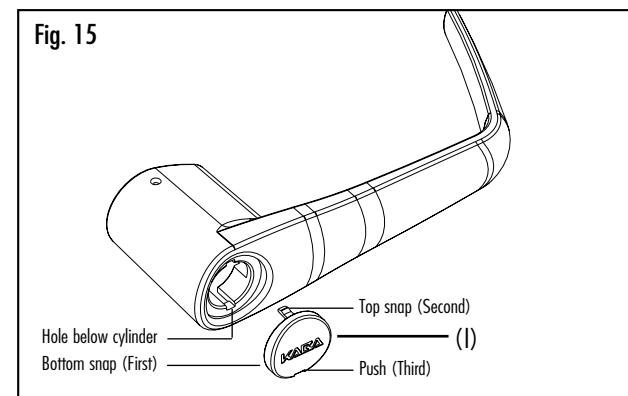
Test the Mechanical Override Function (continued)

⚠ Verify the functionality of the override after the lock is installed on the door:

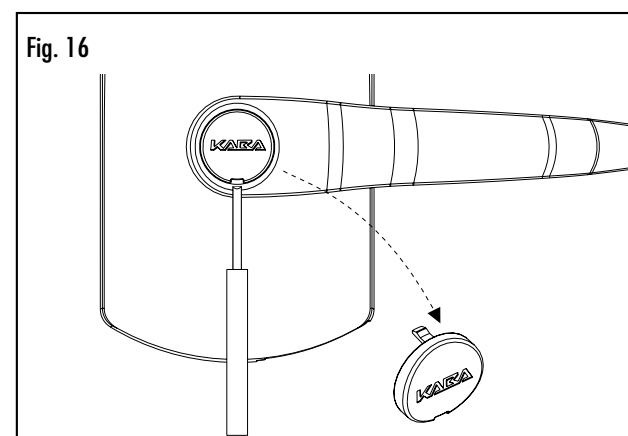
19. With the door open, insert key in cylinder and turn it clockwise **until it stops.**
20. Let go of the key and turn the lever handle (clockwise for right-handed and counter-clockwise for left-handed locks). **The latch must retract.**
21. Extend deadbolt and repeat the above operation (turn key clockwise until it stops), latch and deadbolt must retract completely.

9. COVER THE KEYHOLE & CYLINDER WITH THE CAP

22. The cap has a small groove on one edge (to allow ease of removal) this should be facing down. Insert bottom snap of cap (I, see page 11) in handle hole below the cylinder. With a small screwdriver, push top snap of cap down while pushing the cap into place to cover the keyhole (Fig. 15)

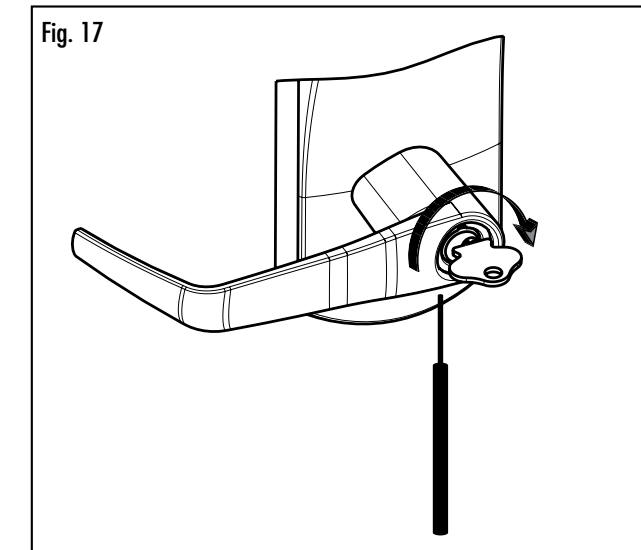


23. To remove the cap, insert a small flat screwdriver into this groove and gently pry the cap off, being careful not to damage it. (You may want to cover the bottom of the lever to protect the finish from being scratched through the process of removing the cap). (Fig. 16)



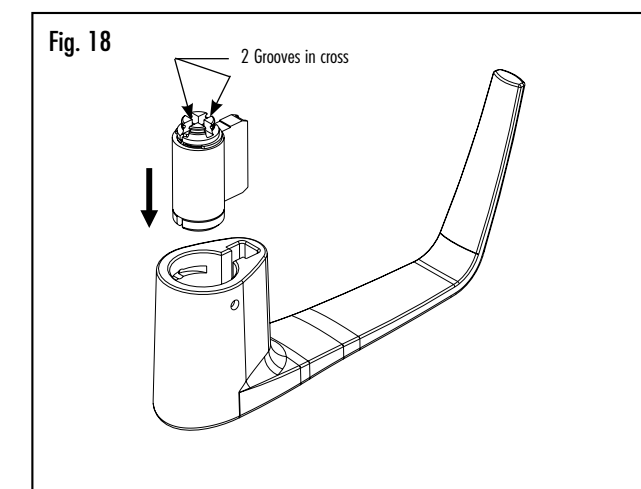
10. HOW TO CHANGE LOCK CYLINDERS

24. Remove the cap from the lever handle (see step 20, Fig. 16).
25. Insert key.
26. Turn the key clockwise until it stops.
27. Release key.
28. Use a small flat screwdriver to push in the lever catch through the small hole underneath the lever handle (Fig. 17).



29. Pull the lever handle off of the lock housing (be careful not to lose the cylinder plug).

30. Replace the old cylinder with the new one in the lever handle. Only same kind of cylinder with 2 grooves in cross, in the end of the cylinder plug could be used on the E-730/630 Series locks. (Fig. 18)



6. VERIFY THE ATTACHMENT OF THE LEVER HANDLE



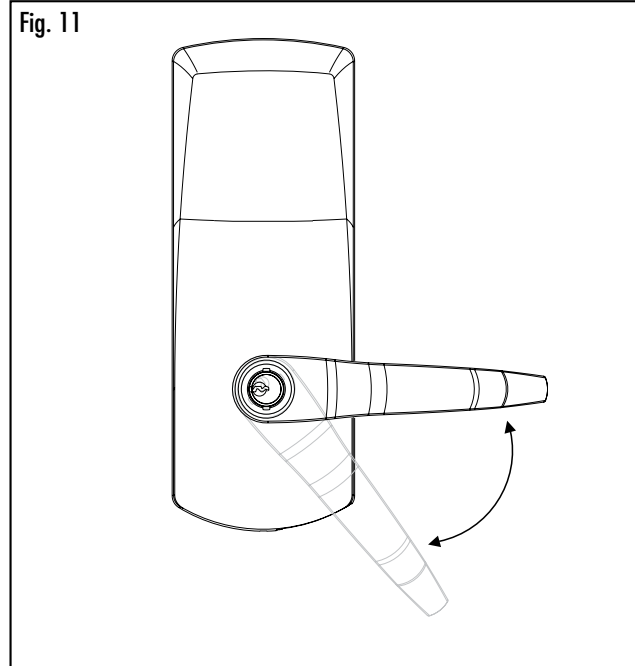
Very Important: To verify that the lever handle has been correctly attached to the housing:

10. Remove key
11. Insert a small flat screwdriver (tool T, page 11) into the hole on the underside of the lever handle and push in the lever catch.
12. Pull on the lever handle.

You should not be able to remove the lever handle. If it comes off of the housing, you did not assemble the lock correctly. Return to steps 2, 3, 4 & 5 and make sure that the lever looks like Fig. 10 and repeat this verification process. (Step 6)

7. TEST THE MOVEMENT OF THE LEVER HANDLE (without the key in cylinder)

13. Turn the handle clockwise (for a right-handed lock) or counter-clockwise (for a left-handed lock)
14. Release the handle slowly. It should return freely to its horizontal position. (Fig.11)
15. If the handle doesn't easily return to its original position, the spring washer is probably too tight. Use a rubber mallet to hit the lever carefully against the housing to reduce the tension of the spring washer, until the handle moves freely back to its horizontal position when turned slowly.

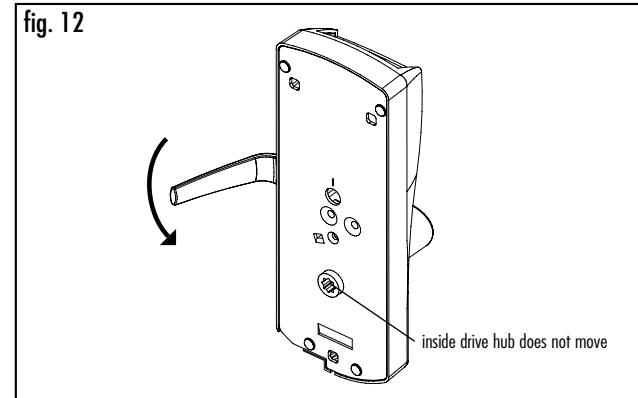


8. TEST THE MECHANICAL OVERRIDE FUNCTION

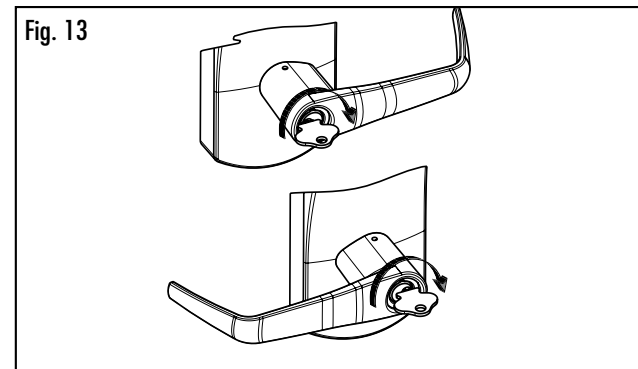


*** This test can only be performed when the lock is not affixed to the door.**

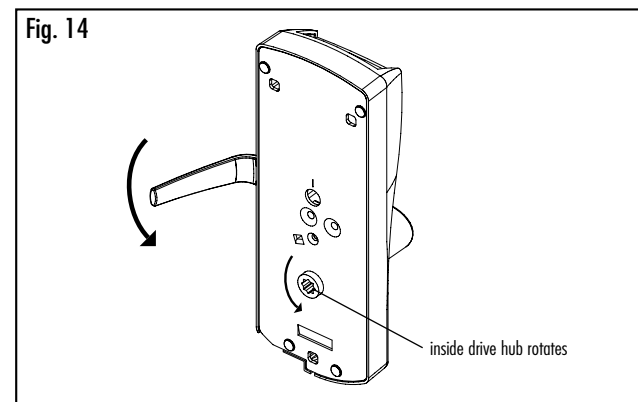
16. Without using the key, turn the lever handle clockwise (for Right-handed locks) or counter-clockwise (for Left-handed locks). The inside drive hub should not rotate when the handle turns. (Fig. 12)



17. With the lever handle in the horizontal position, insert the key into the cylinder and turn it clockwise **until it stops**. (This applies to both Right and Left-handed locks, see Fig.13)



18. Let go of the key, and again turn the lever handle clockwise (for Right-handed locks) or counter-clockwise (for Left-handed locks). Now the inside drive hub should rotate in the same direction as the lever handle when it is turned. (Fig. 14)



III INSTALL THE E-730/630/750/79E LOCK AND THE EXIT DEVICE

1 Prepare the Door

The axis of rotation of the E-730/630/750/79E lock lever handle is the same as the axis of rotation of the driving spindle for the exit device. The E-730/630/750/79E lock and the exit device must be positioned accordingly.

Mark the desired handle height on the edge of the door.

Consult the exit device manufacturer's instructions for the correct backset. **The paper templates are designed for a backset of 2 3/4" (70mm). Make adjustments as necessary if the exit device has a different backset.**



Respect all applicable building codes regarding the handle height of the E-730/630/750/79E lock and the positioning of the panic bar.

If the door has no bevel, fold the template along the solid lines. Align the fold with the edge of the door, and mark the holes for the lock. Repeat on other side.

If the door has a 3° bevel, fold and align the dashed line marked "H" with the higher-beveled edge of the door, and mark the lock holes on that side of the door. Repeat on the side with the lower-beveled edge, using the dashed line marked "L".

Mounting Hole Profile (See Fig.1.1) for:
Precision Exit Devices 21/22/FL21/FL22
Von Duprin Exit Devices 98/99EO-F/9827/9927 EO-F
**** Detex Exit Devices 10/F10/20/F20**

For each of the four (4) type A holes, drill a 1/4" (6.5mm) diameter hole through the door (from both sides, see note below). Enlarge the hole on the outside of the door to a diameter of 1/2" (12.5mm), to a depth of 1 1/8" (28.5mm). For the two (2) type B holes, drill a 1/2" (12.5mm) diameter hole through the door (from both sides, see note below).

Standard Exit Devices Mounting Hole Profile (See Fig.1.2)

Remove the template, then drill the holes for the E-730/630/750/79E lock (spindle and mounting screws). For each of the three (3) E-730/630/750/79E lock mounting screws, drill a 1/4" (6.5mm) diameter hole through the door (from both sides, see note below). Enlarge the hole on the outside of the door to a diameter of 1/2" (12.5mm), to a depth of 5/8" (16mm) to receive the screw posts on the E-730/630/750/79E lock. Counter-sink the holes on the inside of the door to receive the heads of the mounting screws, as indicated on the template.

Drill the holes in the door required for the exit device according to the manufacturer's instructions.



Drill from both sides of the door to prevent unsightly damage. Refer to template for drill sizes and depths.

2 Install the Mortise (if applicable)

For mortise exit devices, install the mortise according to the manufacturer's instructions.

** Detex 10 & 20 Series are Panic Hardware only (Not Fire Rated)
 Detex F10 & F20 Series are Fire Exit Hardware (Fire Rated)

Fig. 1.1 Mounting Hole Profile for:
Precision 21/22/FL21/FL22
Von Duprin 98/99EO-F/9827/9927 EO-F
**** Detex 10/F10/20/F20**

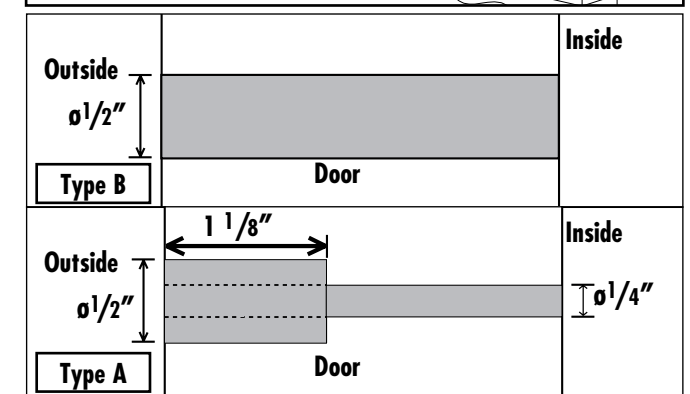
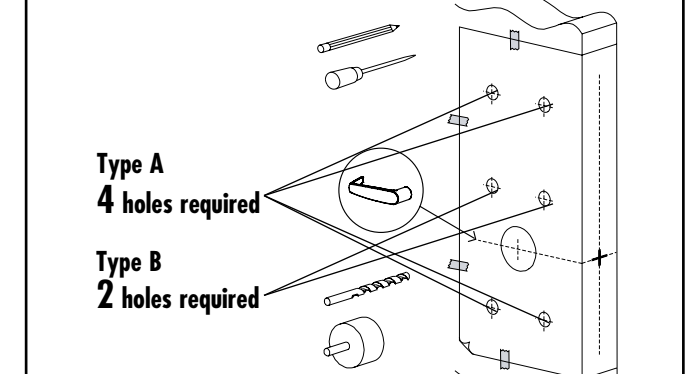
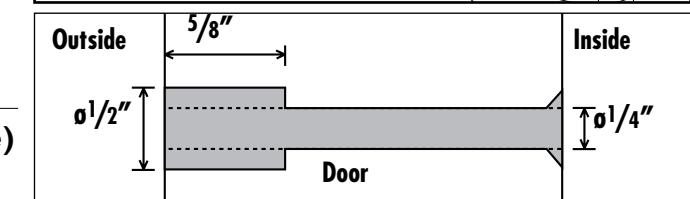
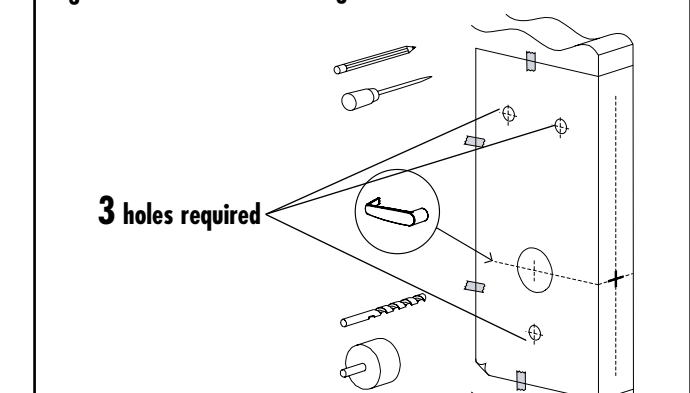


Fig. 1.2 Standard Mounting Hole Profile

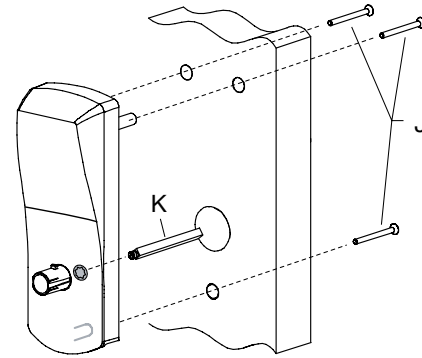


III INSTALL THE E-730/630/750/79E LOCK AND THE EXIT DEVICE

3 Install the Standard Exit Devices E-730/630/750/79E Outside Housing

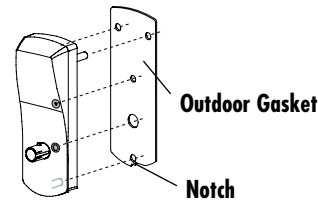
Insert the **slotted** end of the spindle (K) into the outside lever hub until it locks, at the correct angle for the exit device (see figure). The spindle can be removed by pulling on it, and re-inserted if oriented incorrectly.

Place the outside housing on the door and fasten it using the three 10-24, 1/8" hex head mounting screws (J).



Spindle Position	
	Von Duprin Yale Precision
	Von Duprin (Mortise Models) Arrow

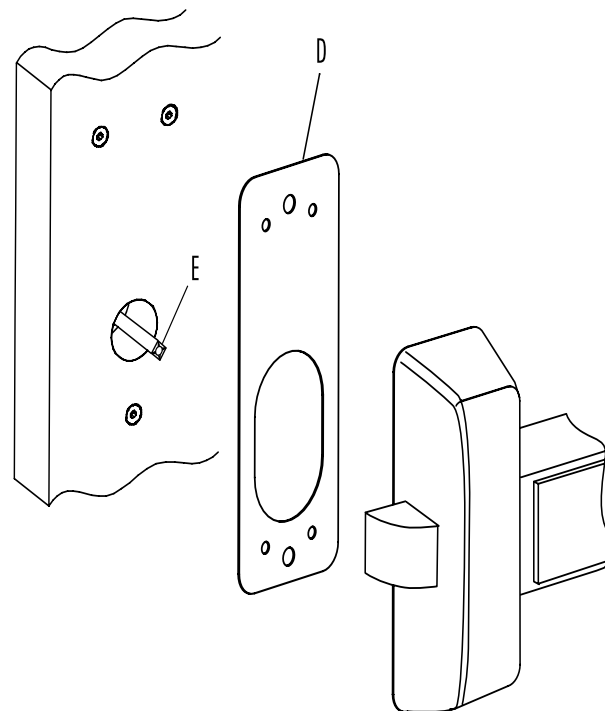
i Install the gasket on the outside housing prior to assembly, aligning the notch in the gasket with the location of the battery compartment.



4 Install the Standard Exit Device and Strike

Standard Exit Device Mounting

Follow the manufacturer's instructions to install the exit device and an appropriate strike. The Kaba dress plate is installed between the exit device and the door to conceal the E-730/630/750/79E lock mounting screws. Refer to page 3 for the part number and correct orientation of the available dress plates.

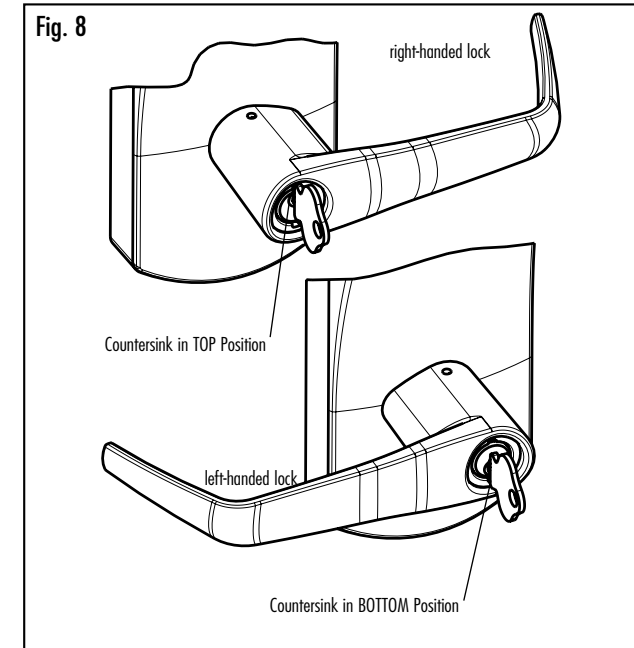


5. ATTACHING THE LEVER HANDLE TO THE LOCK (with the key as shown in Fig. 6 & Fig. 7)

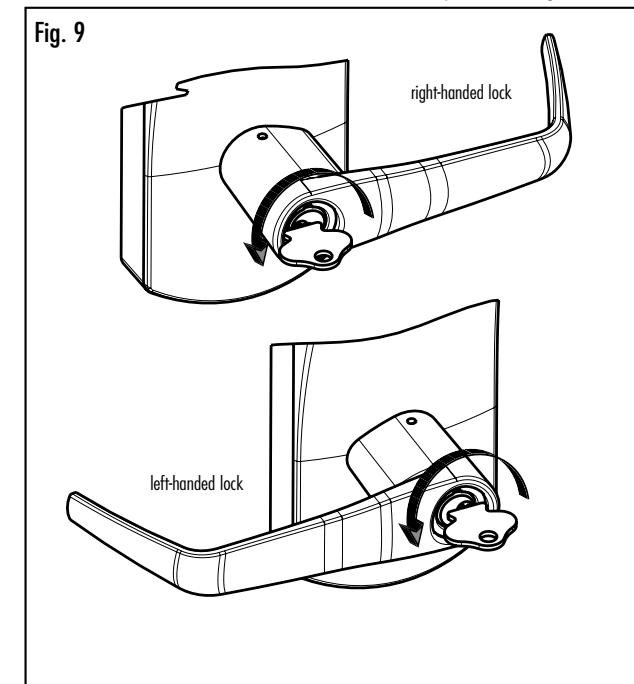
7. Fit the lever handle onto the drive tube. It should rest approximately 1/16" from the body of the housing. (See Fig. 8)

If it can't be pushed that close to the housing, the lever catch is probably not pushed in. Push it in.

If the lever catch is stuck, the override shaft is in the wrong position. The two small indents on the cross of the override shaft must be vertically aligned as in fig. 2



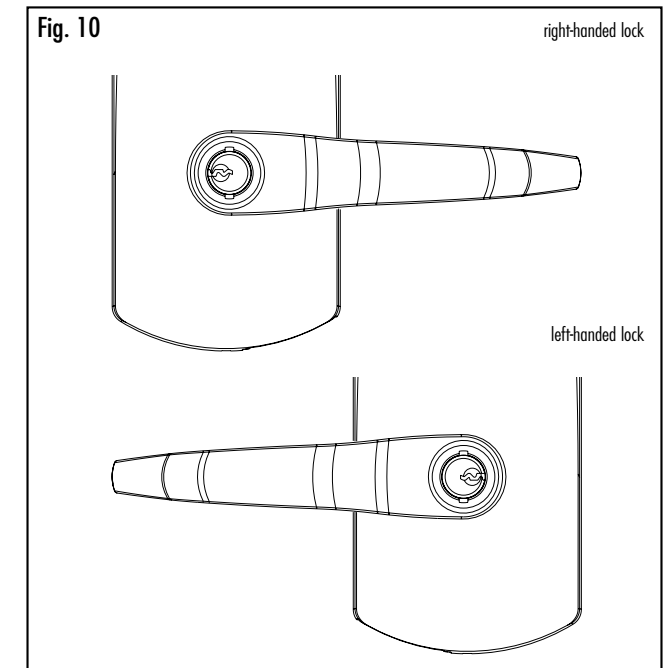
8. Press the lever firmly against the housing while turning the key counterclockwise (**this applies to both right-handed and left-handed locks**) until it is in the horizontal position. (Fig. 9)



! If it is not possible to turn the key counter-clockwise to complete this step, the spring washer (D, see page 14) may be too tense:

Hit the lever carefully with a rubber mallet to loosen the spring washer. (you may want to cover the lever handle with a cloth or other material to protect the finish of the metal)

9. Remove the key. The lock will look as shown in Fig.10.



Gently check the rotation of the lever handle. It should easily rotate approximately 45°.

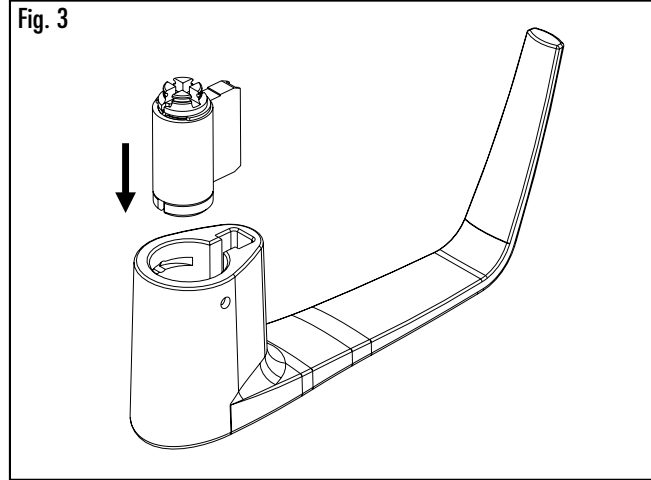
Troubleshooting:

Right-handed Lock: Turn the lever handle clockwise without forcing it. If it stops at approximately 15°, it was not assembled correctly as shown in step 4 (Fig. 6 & 7). Do not try to force it to turn. Release the lever handle. Insert the small screwdriver (T, page 11) into the small hole on the underside of the lever handle and push in the lever catch. Re-do steps 2, 3, 4 & 5.

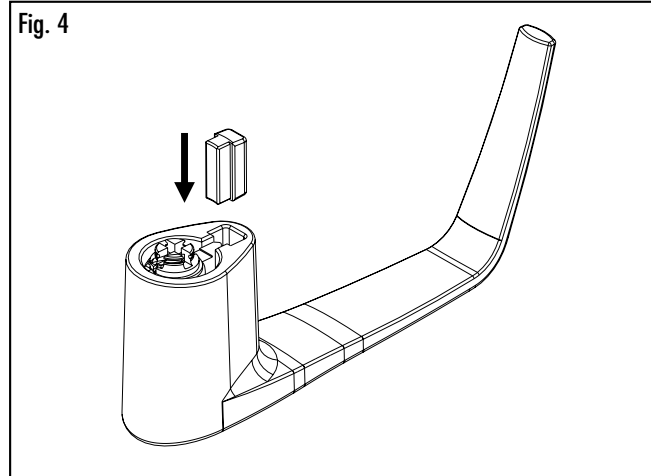
Left-handed Lock: Turn the lever handle counter-clockwise without forcing. The drive hub (Fig.12 page15) should not rotate when the lever handle is turned. If it does, it was not assembled correctly as shown in step 4 (Fig. 6 & 7). Release the lever handle. Insert the small screwdriver (T, page 11) into the small hole on the underside of the lever handle and push in the lever catch. Re-do steps 2, 3, 4 & 5.

3. PREPARING THE LEVER HANDLE AND CYLINDER FOR INSTALLATION

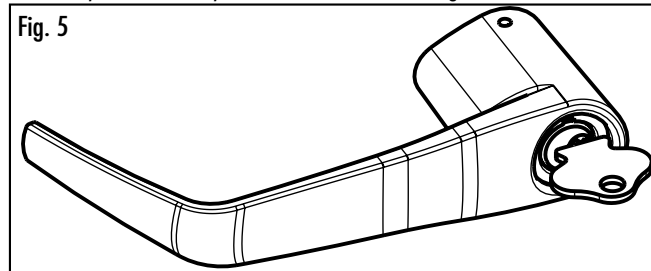
3. Insert the cylinder into the lever handle (see Fig.3)



4. Put the cylinder plug into the lever (see Fig.4)



5. Making sure that the cylinder plug does not fall out, insert the key into the cylinder. The key will be horizontal. (See Fig. 5).

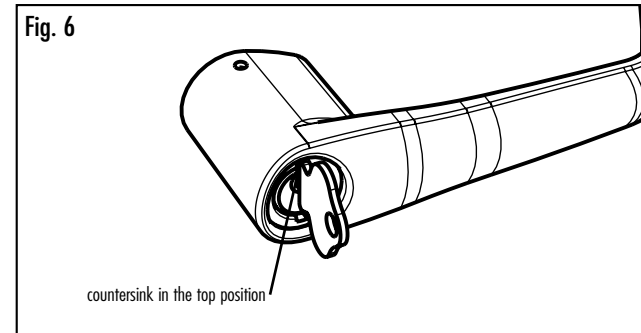


CAUTION: IF THE LEVER IS NOT ASSEMBLED WITH THE KEY IN THE POSITION SHOWN IN FIG. 6 & FIG. 7, THE INSIDE MECHANISM OF THE LOCK COULD BE DAMAGED IF THE LEVER IS ROTATED AND FORCED.

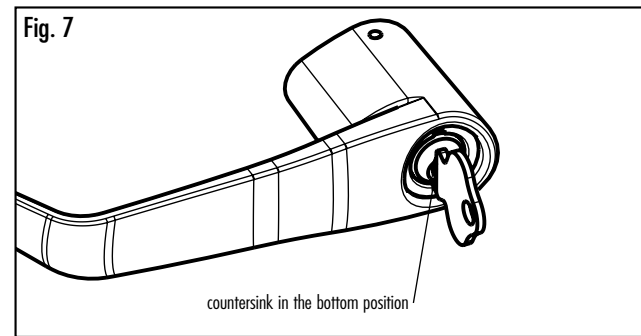
4. STEPS TO ATTACH THE LEVER HANDLE TO THE LOCK HOUSING

***NOTE: THE POSITION OF THE KEY IS VERY IMPORTANT**

6. **Right-handed Lever handle:** Turn the key approximately 90° to 100° clockwise so that it is in the vertical position and the countersink is in the top position. (See Fig. 6)



Left-handed lever handle: Turn the key approximately 90° to 100° clockwise so that it is in the vertical position and the countersink is in the bottom position. (See Fig. 7)



! The key and the countersink must be in the positions shown in Figs 6 & 7 before placing the lever handle on the housing or the lever and the override mechanism will not work.

Troubleshooting:

If you have assembled the lever and housing with the key in the wrong position, the key will get stuck. To remove the key, turn it so that it is in the vertical position and insert a small flat screwdriver (see page 14) into the hole under the lever handle to push Lever Catch in (see page 15 Fig.2). Remove key. If it is still stuck, turn the key 90° clockwise to the horizontal position and push the Lever Catch in again with the small screwdriver. Remove key.

4 Install the Outside Housing and the Precision 21/22/FL21/FL22; Von Duprin 98/99EO-F/9827/9927 EO-F; ** Detex 10/F10/20/F20 Exit Device and Strike

Precision, Von Duprin, Detex Exit Device Mounting

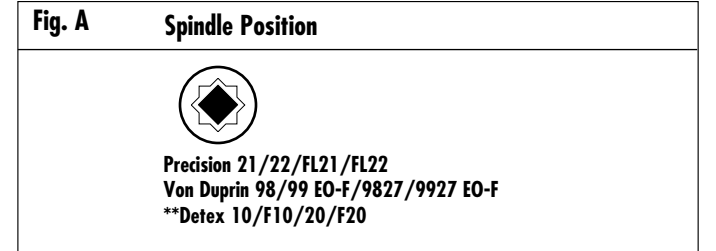
Insert the slotted end of the spindle (E) into the outside lever hub until it locks.

Ensure spindle is oriented as shown (Fig.A). The spindle can be removed by pulling on it and re-inserted if oriented incorrectly. Place the Outside Housing/Gasket/Adapter Plate Assembly on the door and secure this assembly to the Exit Device Chassis by using 6 mounting screws (J,L,M).

First, fasten the mounting screws (J) into the posts of the Adapter Plate. Next, insert 2 Mounting Plate Bushings (E) into the holes located at the bottom of the Adapter Plate. For Detex Exit Device ONLY use 4 flat washers (W). Secure this section of the assembly to the Exit Device Chassis by using the proper type of Mounting Screws (L).

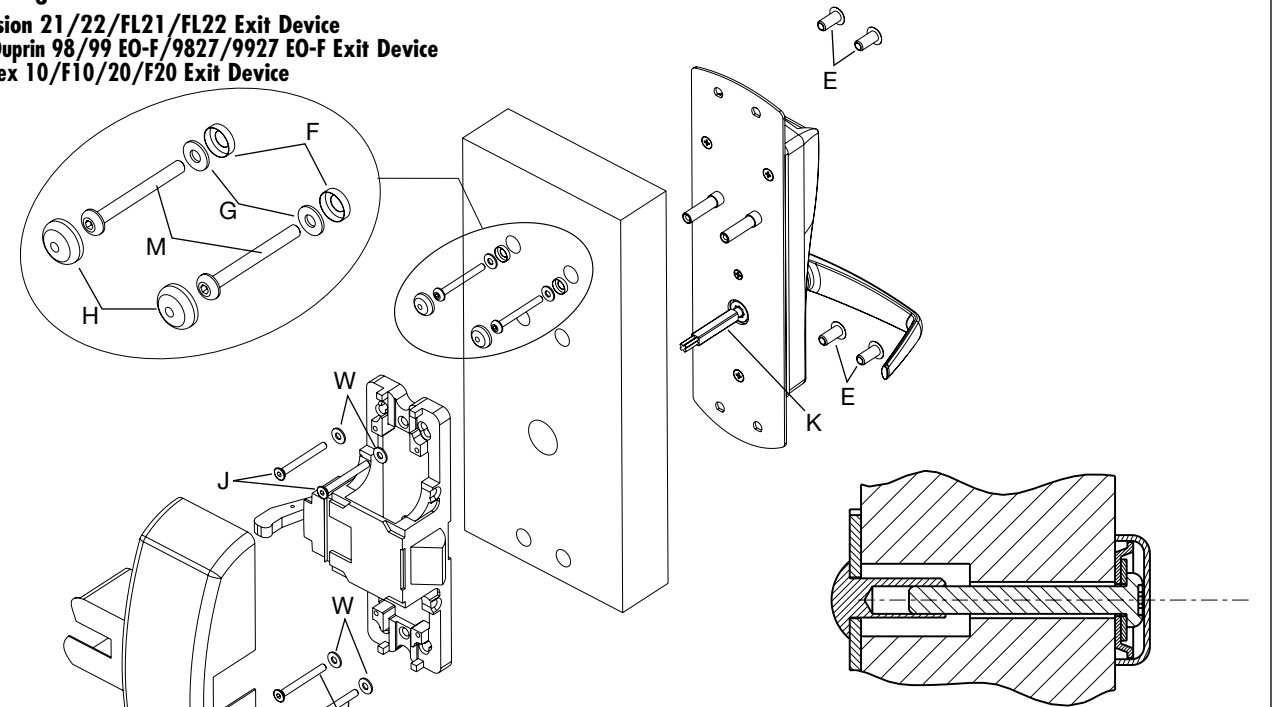
Secure the top of the Adapter plate to the door by using the 2 Pan Head Mounting Screws (M) and the Mounting Plate Bushings (E). To secure the top portion of the Adapter plate, first pre-assemble the Pan Head Mounting Screws (M) with the Washer (G) and then the Snap Screw Retainer (F). Fasten the Pan Head Mounting Screws (M) to the Mounting Plate Bushing (E), then install the Snap Screw Cap (H). Follow the manufacturer's instruction to complete the installation of exit device and the appropriate strike.

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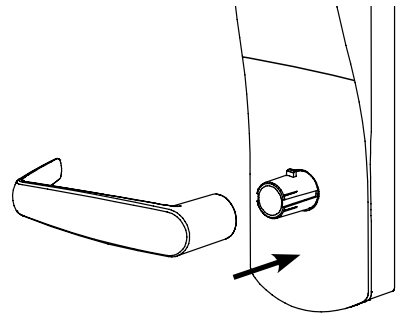
Mounting for:

Precision 21/22/FL21/FL22 Exit Device
Von Duprin 98/99 EO-F/9827/9927 EO-F Exit Device
**Detex 10/F10/20/F20 Exit Device



Precision 21/22/FL21/FL22 Exit device
Von Duprin 98/99 EO-F/9827/9927 EO-F Exit Device
**Detex 10/F10/20/F20 Exit Device
and E-730/630/750/79E locks are mounted together.
NO OUTDOOR KIT IS REQUIRED

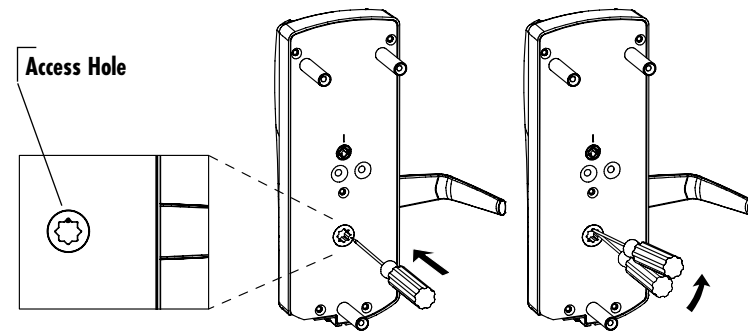
5 Install the Outside Lever



A

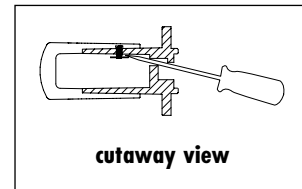
Assemble the lever on the outside housing, in the horizontal rest position appropriate to the handing of the door as shown. Simply push the lever onto the tube **until it clicks in place**. If more force is required to engage the handle, use a rubber mallet. Test the attachment of the handle by pulling smartly on it.

* For Mechanical Override Models refer to page 11.



B

The lever is field reversible. If the handing is incorrect, insert a small pick or flat screwdriver in the hole in the hub as shown. Gently pry back the spring clip inside the hub, and remove the handle.

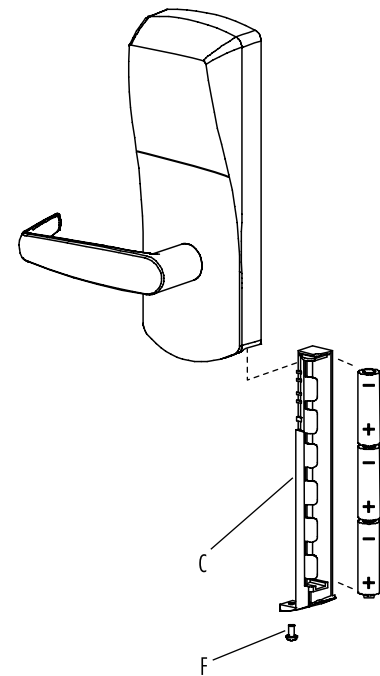


6 Install the Batteries

Three AA batteries should already be installed in the battery holder (C). Insert the battery holder into the outside housing and secure it using the 6-32 X 3/8" spanner drive screw (F).



If the lock makes a continuous buzzing noise or the red LED lights continuously, reset the electronics by removing the battery holder for ten seconds, then reinsert it.



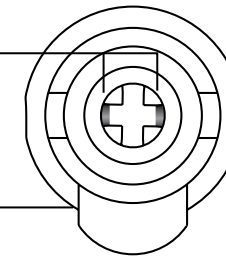
1. UPON UNPACKING, THE E-730/630/750/79E LOCK HOUSING WITH MECHANICAL OVERRIDE SHOULD LOOK LIKE THE DIAGRAM BELOW WITH:

- (A) The small indents on the cross of the override shaft in line horizontally
- (B) The nylon washer and the spring washer on the drive tube
- (C) The lever catch in the out position
- (D) Cylinder and 2 keys for 630 K/C included in the hardware bag



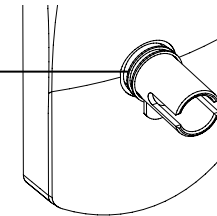
Important: Assemble the lever, cylinder and lock components before affixing the entire unit to the door.

(A)

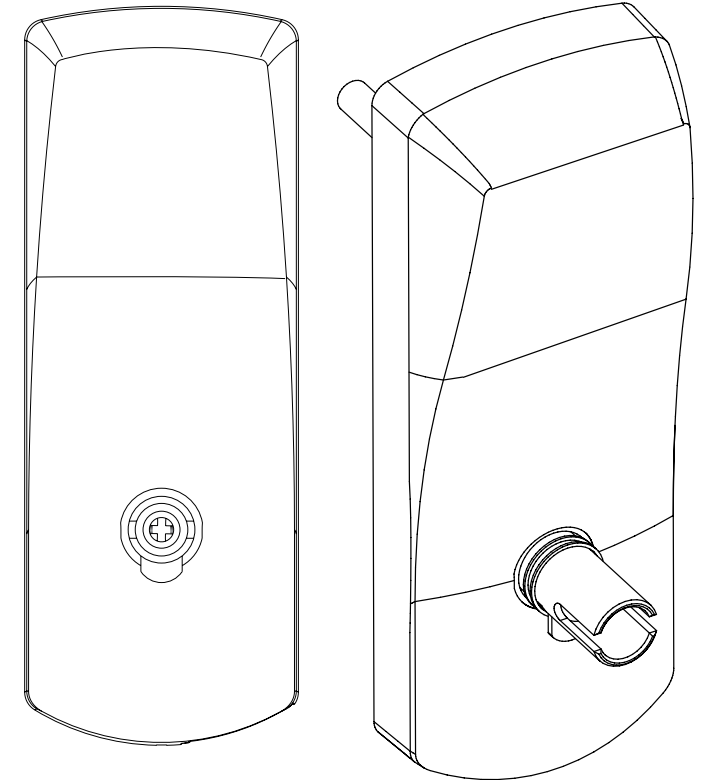
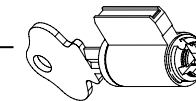


(C)

(B)



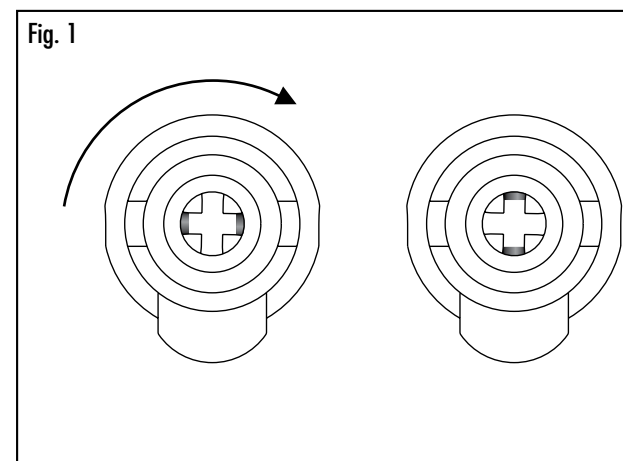
(D)



2. PREPARING THE OUTSIDE HOUSING FOR THE INSTALLATION OF THE LEVER HANDLE

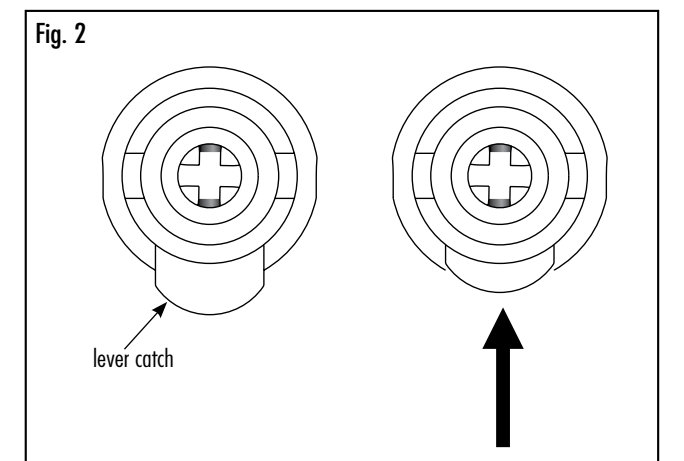
1. Insert the cylinder (D) or equivalent tool into the override shaft and turn it 90° clockwise so that the two small indents on the cross are now vertically in line. (Fig. 1)

Fig. 1



2. Push in the lever catch firmly. (see Fig. 2)

Fig. 2



VIII INSTALLATION OF THE MECHANICAL OVERRIDE ON 730/630/750/79E

Parts and Tools List

Tools Required:

(U) Cylinder (provided with lock) or equivalent

(T) Small flat scwdriver (less than 1/8")

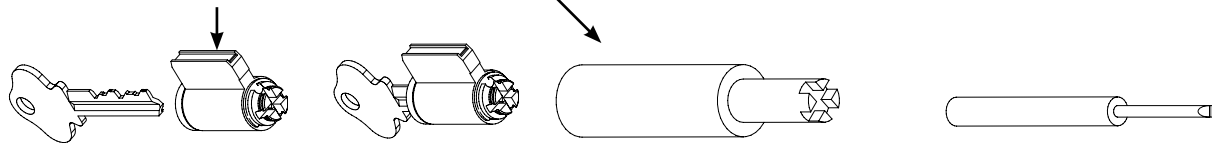
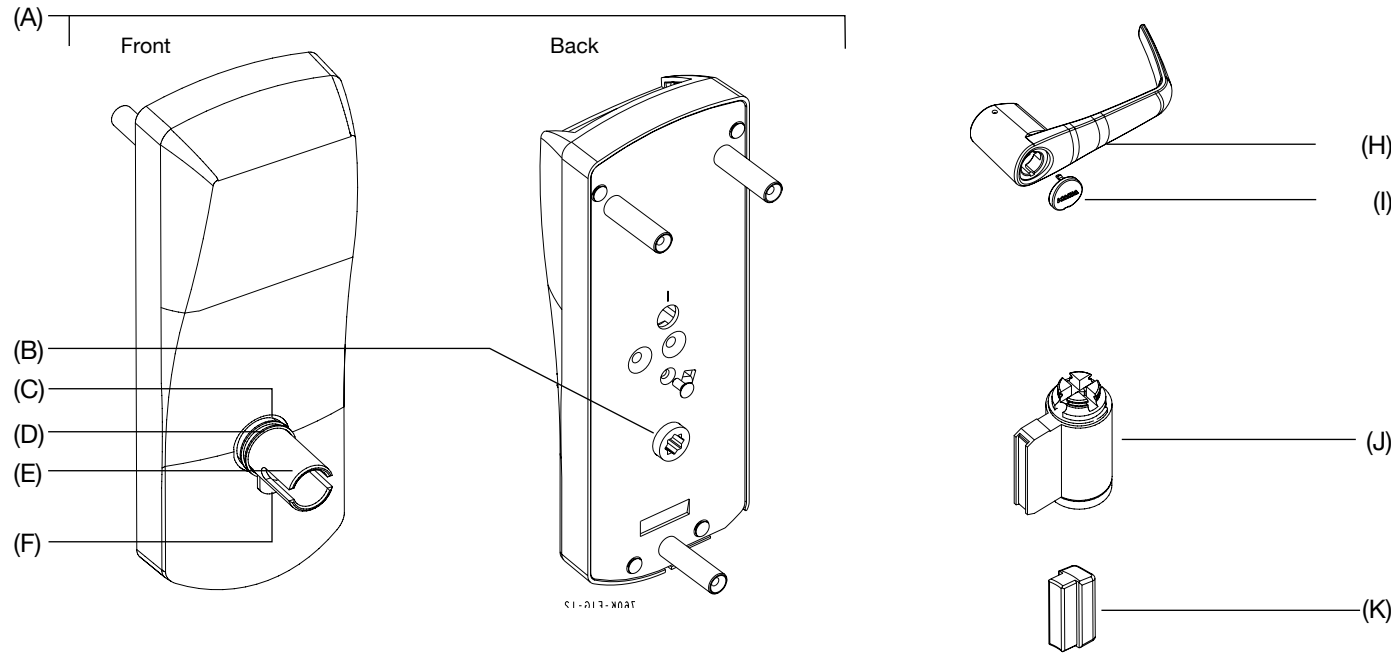
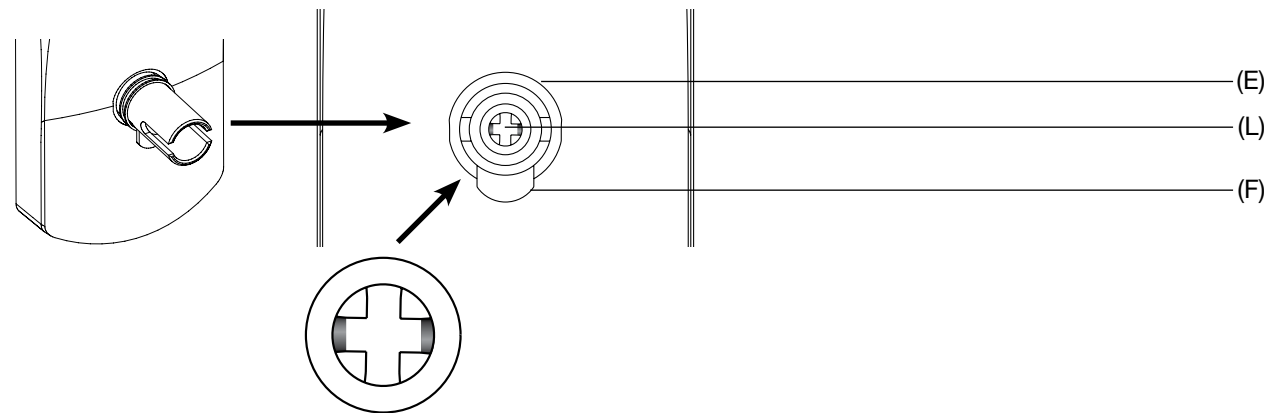


Diagram of lock:

- | | | |
|----------------------|------------------|--------------------|
| (A) Lock housing | (E) Drive tube | (I) Cap |
| (B) Inside drive hub | (F) Lever catch | (J) Cylinder |
| (C) Nylon washer | (G) Countersink | (K) Cylinder plug |
| (D) Spring washer | (H) Lever handle | (L) Override shaft |



Facing view of drive tube: (E)



IV TEST THE OPERATION OF THE E-730/750/79E LOCK (FOR 630 LOCK GO TO SECTION VII)

Caution! Perform the following procedures in order, with the door **OPEN** unless otherwise indicated.

1 Panic Bar

Activate the panic bar. The latch bolt or rod retracts fully.

2 Outside Lever

Turn the outside lever downward. The latch bolt or rod does not retract.

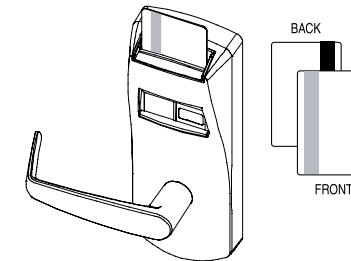
If the latch bolt or rod retracts, verify that the batteries are properly installed.

If the lever feels tight (hard to turn, or does not return easily to its horizontal rest position), check the spindle length vs. the door thickness (the spindle may be too long). Check that the slotted end of the spindle is inserted in the lock housing hub, not the exit device.

3 Electronics and Card Reader

Test the lock's response to keycards: a Test keycard, a Grand Master keycard, and an Emergency keycard.

Insert keycards as shown below, with the magnetic stripe facing toward the door and to the left. For 79E, present cards to reader.



A Test the Lock Before Programming

Normal Entry: Use the Test keycard with the reader. The **red** and **green** LEDs each flash once and then the **green** LED flashes for four seconds.

Turn the outside lever downward while the **green** LED is flashing. The latch or rod retracts fully. Release the lever, then turn it again. **The latch or rod must not retract after the LED stops flashing without first inserting the keycard.**

B Lock Programming

Program the lock with its room number or Common Area number (exit devices are usually programmed as common areas, see Reference Manual).

Use the Grand Master keycard with the reader. The **green** LED flashes. Turn the outside lever downward while the **green** LED is flashing. The latch or rod retracts fully and the LED stops flashing after 4 seconds. Release the lever, then turn it again. **The latch or rod must not retract again without first inserting the keycard.**

C Emergency Keycard Access

Use the Emergency keycard with the reader. The **green** LED flashes for 4 seconds. Then, turn the outside lever downward. **The latch or rod retracts fully.**

While standing outside the room, close the door and ensure that it is properly latched. Open the door using the Grand Master keycard using the same procedure.

V PROGRAM THE E-730/750/79E LOCK (FOR 630 LOCK GO TO SECTION VII)

Program the lock using the FDU and the E-730/750/79E communication cable (see Reference Manual). If this is not a new installation, but a replacement of a single lock, or a group of locks in a property already equipped with the Solitaire system, transfer the security information from a neighbouring lock to the new lock by using the **Reset Addresses** function (see Reference Manual).

In the case of a replacement lock, resetting the addresses will ensure that all past lost and stolen keycards remain cancelled in the new lock, and will set the addresses for the Section, Floor, Group, Zone and Area sub-master level so that staff keycards in use at the property will have the same pattern of access to the door as before. This step makes the lock replacement transparent, so that the new lock accepts and rejects the same keycards as the old lock.

VI OPERATING THE EMERGENCY OVERRIDE (FOR MECHANICAL OVERRIDE MODELS, SEE SECTION VIII, STEP8)



If the lock will not respond to any keycard (including the Emergency keycard), there are three options that should be attempted to open the door. In order, they are:

1. Verify the batteries, and replace them if they are providing less than 4 Volts total. Insert the Initialization keycard in the lock, then use the Emergency keycard.
2. Use the electronic override feature (requires FDU and communication cable).
3. Contact Technical Support (1-800-906-4526) for instructions on using the drill point.

If the card reader fails, the E-730/630/750/79E lock can be opened using the FDU (Front Desk Unit). The lock must have been initialized by a valid FDU from the hotel where it is installed (i.e. with the correct internal and external hotel codes), before the electronic override can be used.

There are two possible security levels:

Low security: If an FDU with a software version lower than 6.5 overrides the lock, the lock audit records only the date and time.

High security: If an FDU with version 6.5 or higher software overrides the lock, the lock audit records the FDU number, the Authorization keycard number, the date and the time.

Hardware Required:

Front Desk Unit (FDU)



FDU to Lock communication cable



Minimum Authorization Keycard Required:

Programming Authorization (PA)



Some messages on the screen may differ depending on the FDU version, but the menu choices are the same.

Steps to activate the E-730/630/750/79E electronic override:

1. Insert the communication cable into the lock. Wait 2 seconds, then connect the cable to serial port A of the FDU.
2. Press any key to activate the FDU, then swipe a PA or higher keycard through the FDU. If the **green** LED on the lock flashes once, disconnect the cable from Serial Port A, wait 2 seconds, and reconnect the cable.

Main Menu:
1 = Keycard
2 = Reset
?

3. Enter 4 to select the Programming Menu, then press <←>.

Program
1 = A lock
2 = Another FDU
?

4. Wait 2 seconds. Enter 1 to select the Lock option, and press <←>.

Enter Function
1 = Program Addresses
2 = Reset Addresses
?

5. Enter 6 to select the Override/Reset Time option, then press <←>.

Ready to Override
or Reset Time
Strike a key,
or C to quit.

6. Wait 2 seconds, then press any key on the FDU to activate the electronic override. The green LED on the lock should light. The following message should appear on the FDU screen immediately or within 2 seconds.

Communication Successful
Press any key to continue.

8. Open the door. **You have only 4 seconds after this message appears to open the door.**

9. Remove the communication cable from the lock.

VII TEST THE OPERATION OF THE 630 LOCK (FOR 730/750/79E LOCK GO BACK TO SECTION IV)



Caution! Perform the following procedures in order, with the door OPEN unless otherwise indicated.

1 Panic Bar

Activate the panic bar. The latch bolt or rod retracts fully.

2 Outside Lever

Turn the outside lever downward. The latch bolt or rod does not retract.

If the latch bolt or rod retracts, verify that the batteries are properly installed.

If the lever feels tight (hard to turn, or does not return easily to its horizontal rest position), check the spindle length vs. the door thickness (the spindle may be too long). Check that the slotted end of the spindle is inserted in the lock housing hub, not the exit device.

3 Electronic

A Programming

Program the lock with at least one user, using the Oracode Maintenance Unit. Generate a valid code for this user. (Recommendation: generate a code that starts a day before today and finishes at least one day after installation/testing date, in order to avoid check-in/check-out time periods)

B Code entry and access

Enter the user code to validate complete lock operation. Verify that the green LED flashes at each key pressed and a longer green LED flashes at the end of the code entry. Turn the outside lever. Make sure the latch bolt retracts fully. Release the lever, wait for the lock to return to the locked mode (default settings is 5 seconds after unlocking), and then turn the lever again. **The latch bolt must not retract after the lock has returned to locked mode, which is typically 5 seconds (max 15 sec.) after unlocking, without first entering a valid user code.**

82° X 1/8" (3mm)

1/4" (6.5mm)

82° X 1/8" (3mm)

1/4" (6.5mm)

1/2" (12.5mm) X 5/8" (16mm)

1/2" (12.5mm) X 5/8" (16mm)

- NOTES:
- FOR DIMENSIONS AND TOLERANCES REFER TO: DOOR PREPARATION DRAWING #IP-510220
 - HIGH AND LOW BEVEL EDGE, H AND L SHOWN FOR DOOR WITH 3° BEVEL ANGLE
 - SYMBOLS:
 - ∇ DEEP
 - ⊕ CENTER LINE OF DOOR
 - ∅ DIAMETER
 - NOT TO SCALE
 - FOR EXIT DEVICE AND MORTISE LOCK CUT-OUT REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS.
 - BACKSET OF 2-3/4" (70mm). ADJUST TO EXIT DEVICE BACKSET IF DIFFERENT.

SEE NOTE #2

SEE NOTE #2

1" (25mm)

1" (25mm)

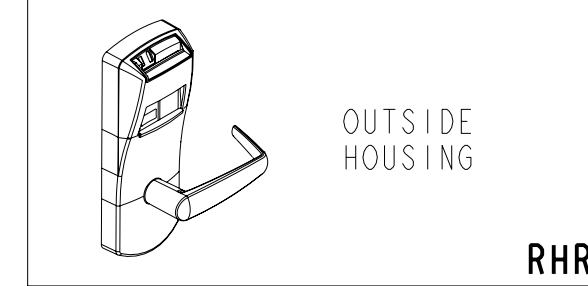
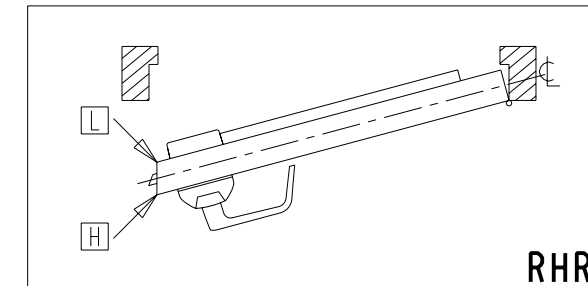
HANDLE HEIGHT ON DOOR

1/4" (6.5mm)

1/2" (12.5mm) X 5/8" (16mm)

82° X 1/8" (3mm)

DO NOT REPRODUCE CONTACT CUSTOMER SUPPORT 1-800-906-4526



DRILLING TEMPLATE 630, 730 AND 750 LOCK SERIES

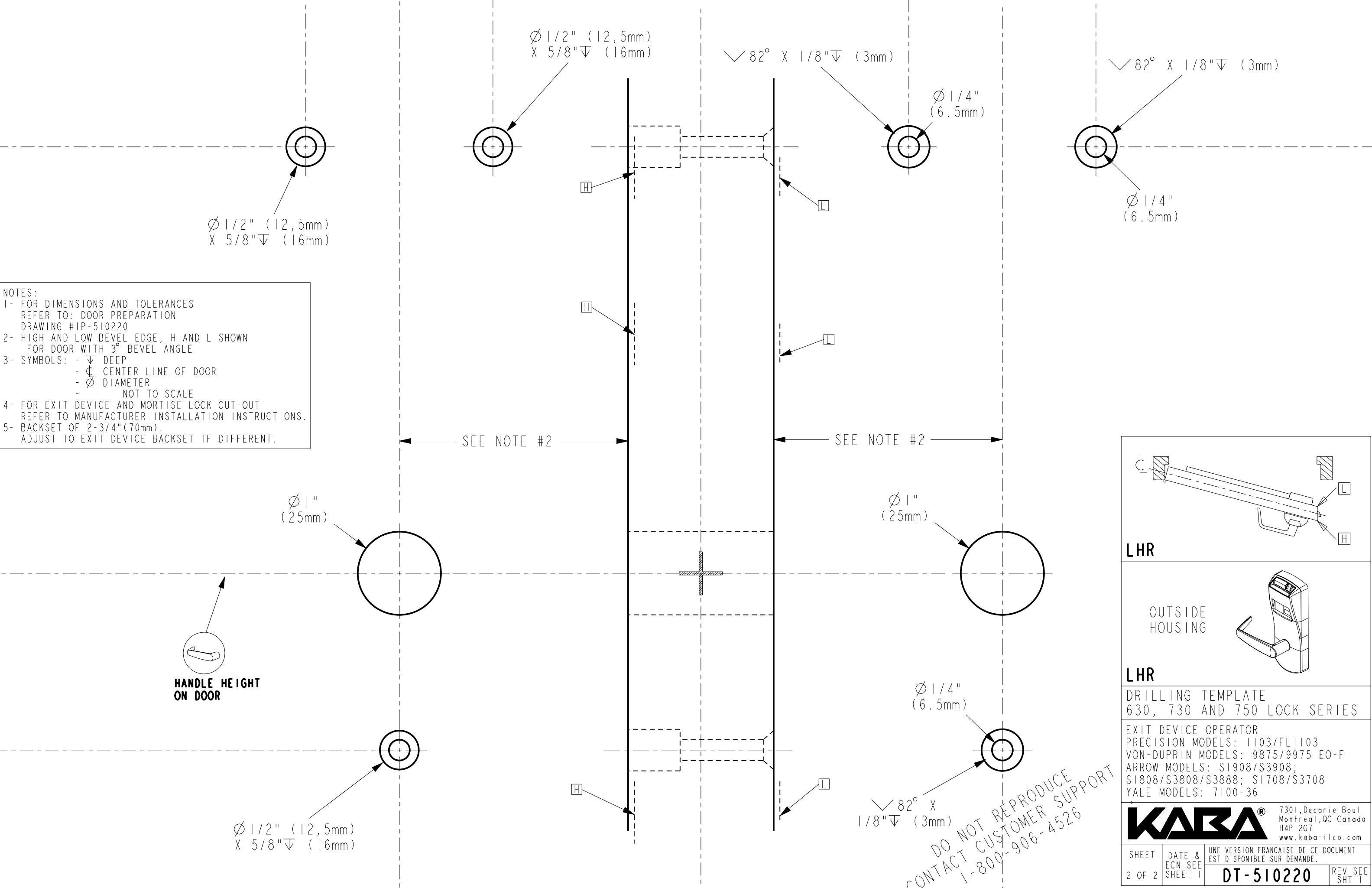
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 YALE MODELS: 7100-36



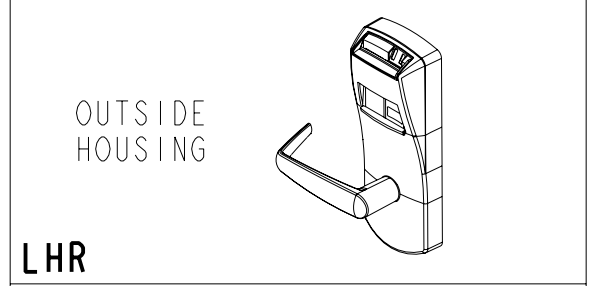
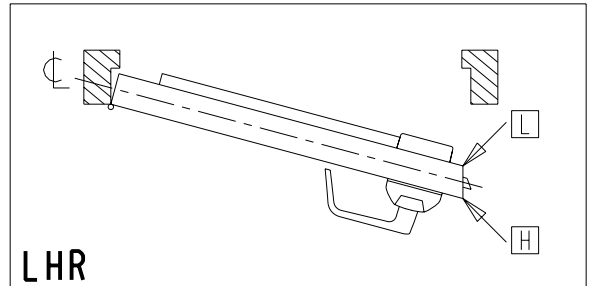
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DT-510220

NOTES:
 1- FOR DIMENSIONS AND TOLERANCES REFER TO: DOOR PREPARATION DRAWING #IP-510220
 2- HIGH AND LOW BEVEL EDGE, H AND L SHOWN FOR DOOR WITH 3° BEVEL ANGLE
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HANDLE HEIGHT ON DOOR



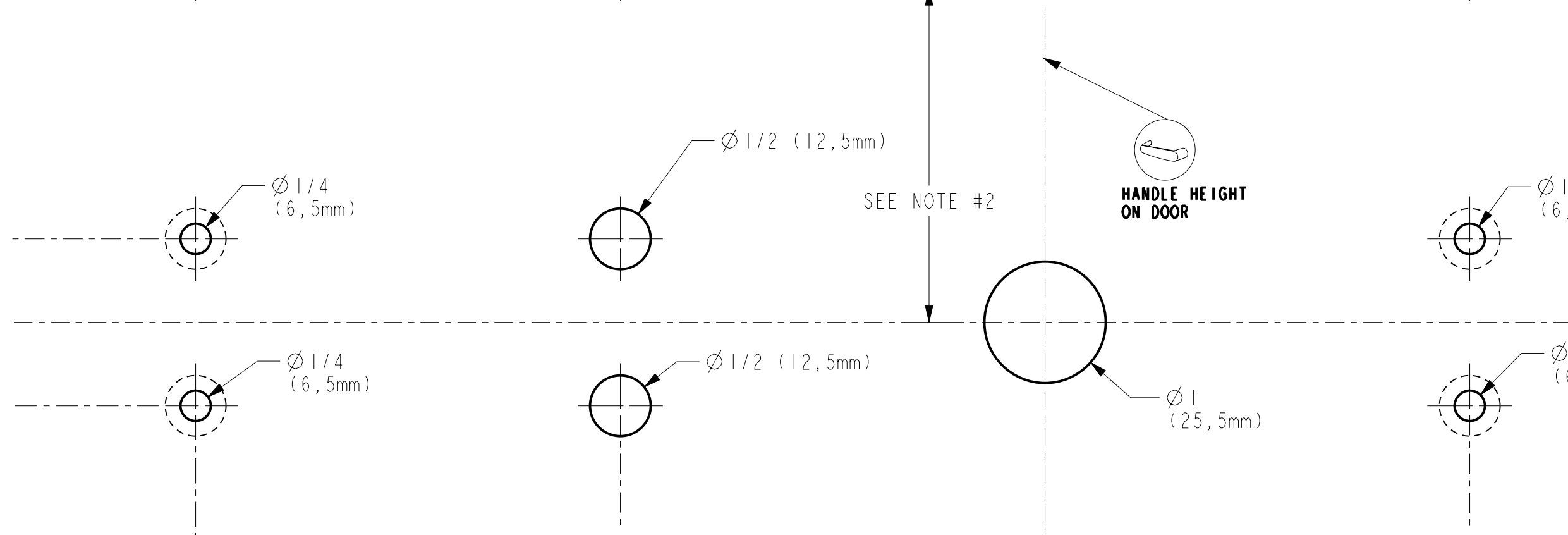
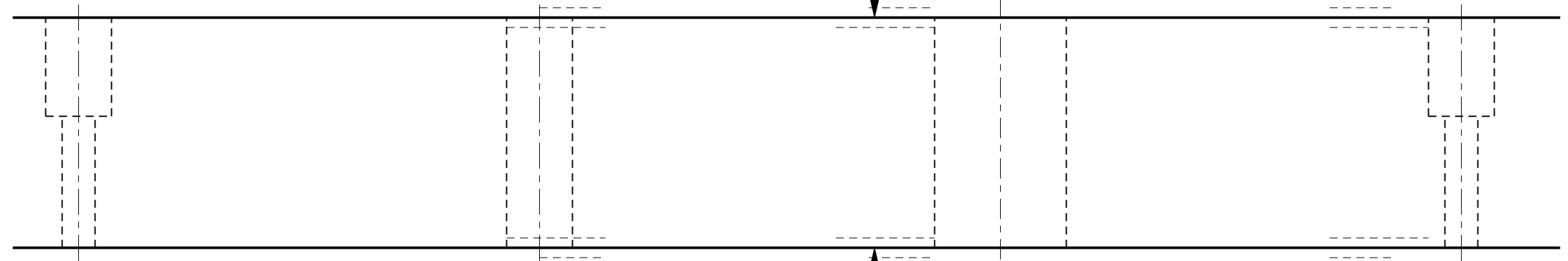
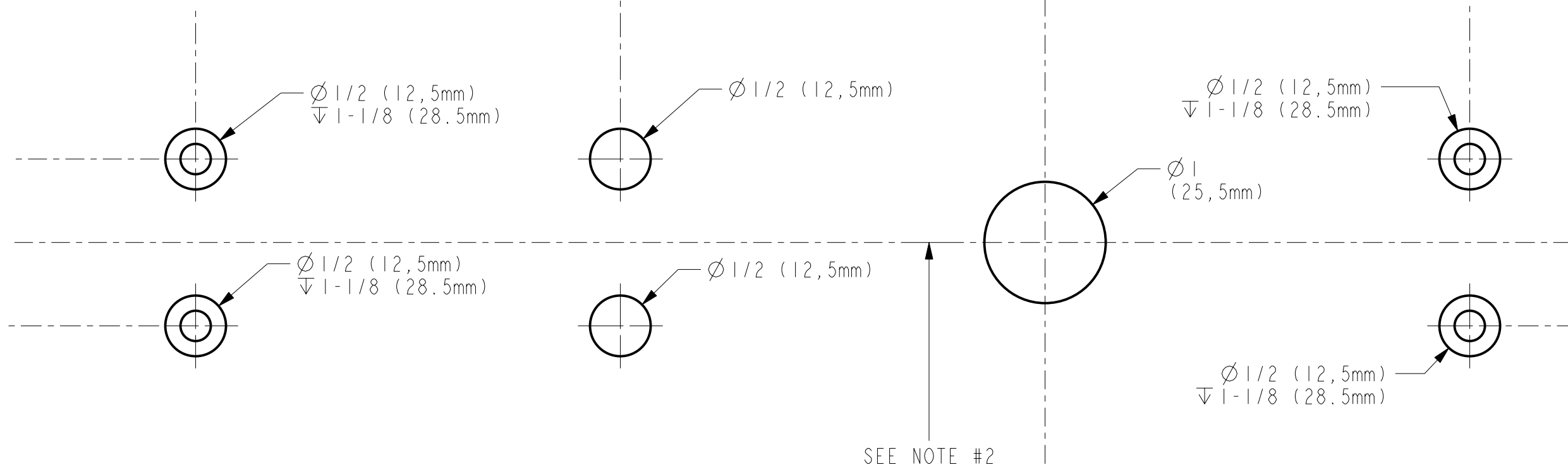
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 LHR
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 630, 730 AND 750 LOCK SERIES
 EXIT DEVICE OPERATOR
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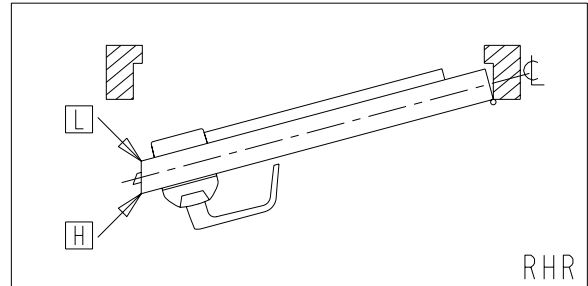
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 1-800-906-4526

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 1- FOR DIMENSIONS AND TOLERANCES REFER TO: DOOR PREPARATION DRAWING #IP-510210
 2- HIGH AND LOW BEVEL EDGE, H AND L SHOWN FOR DOOR WITH 3° BEVEL ANGLE
 3- SYMBOLS: - ▽ DEEP
 - ⊕ CENTER LINE OF DOOR
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 4- FOR EXIT DEVICE AND MORTISE LOCK CUT-OUT REFER TO MANUFACTURER INSTALLATION INSTRUCTIONS.
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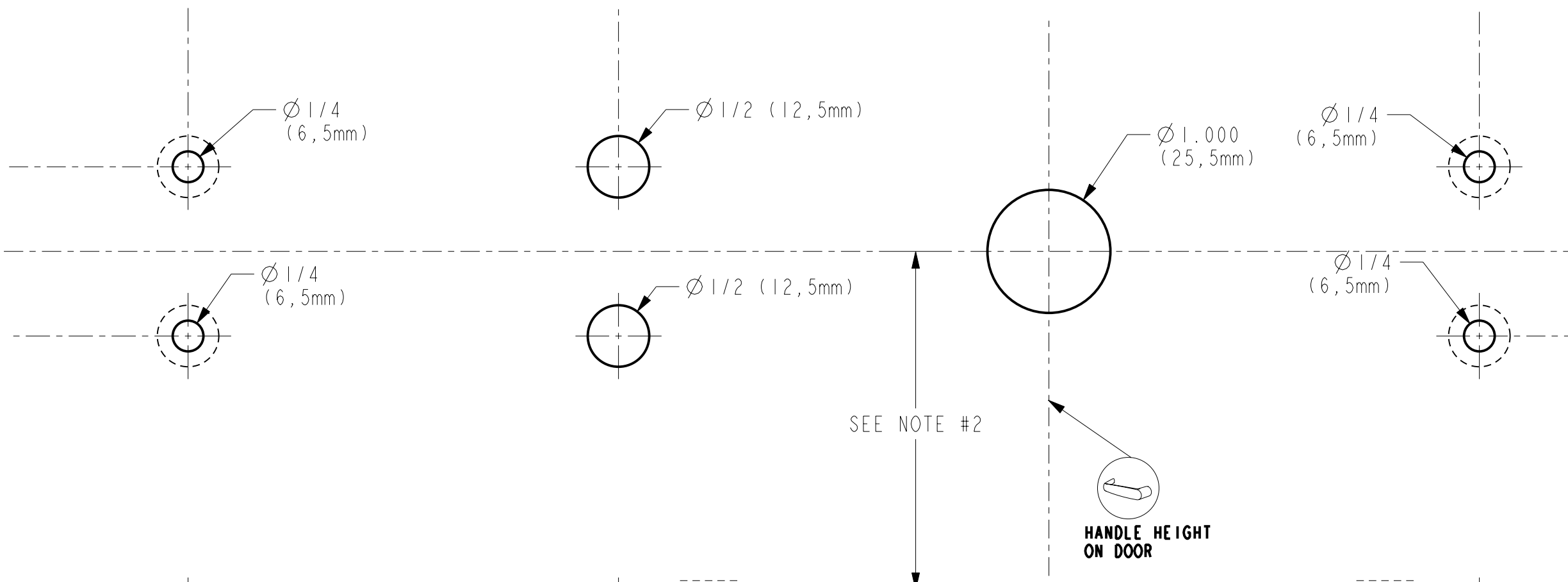
DRILLING TEMPLATE
 630, 630K, 730, 730K,
 750 AND 750K LOCK SERIES

FOR PRECISION MODELS:
 21/FL21 AND 22/FL22
 FOR VON-DUPRIN MODELS:
 98/99 EO-F, 9827/9927 EO-F
 FOR DETEX MODELS:
 10/F10 AND 20/F20

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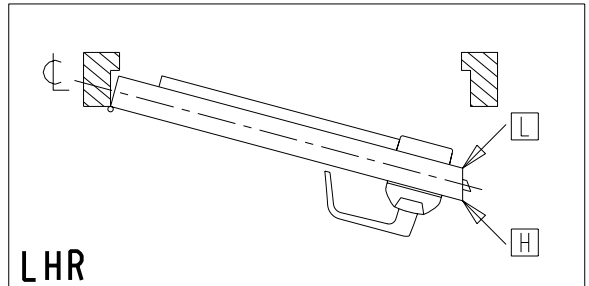
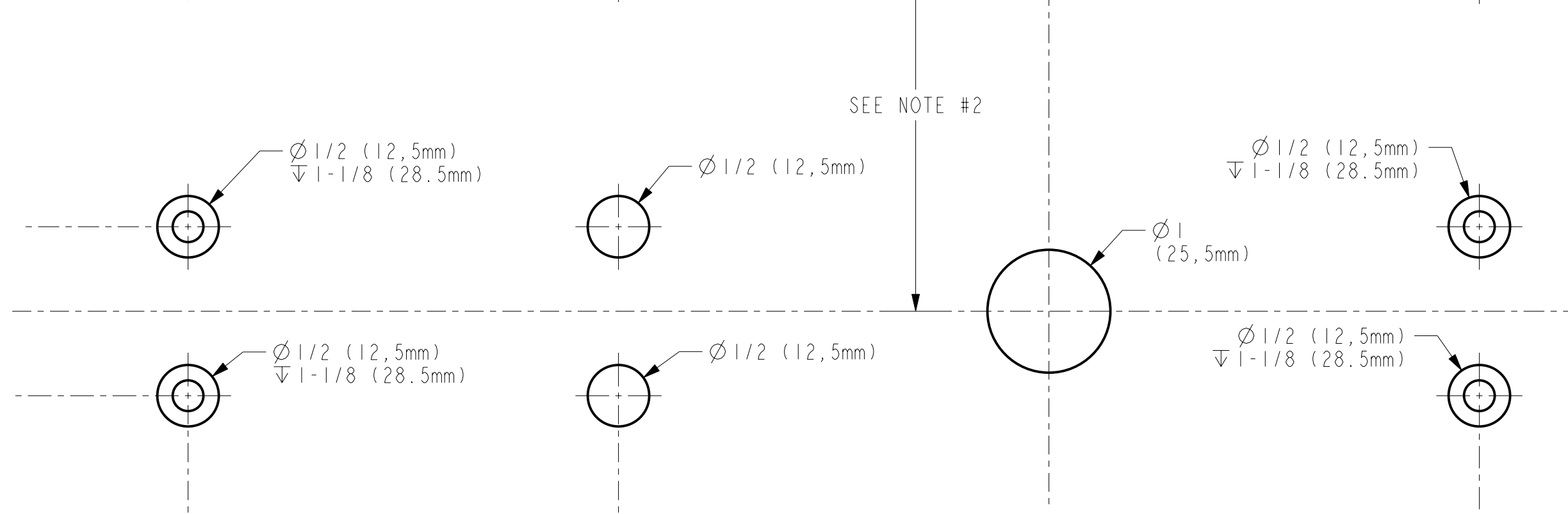
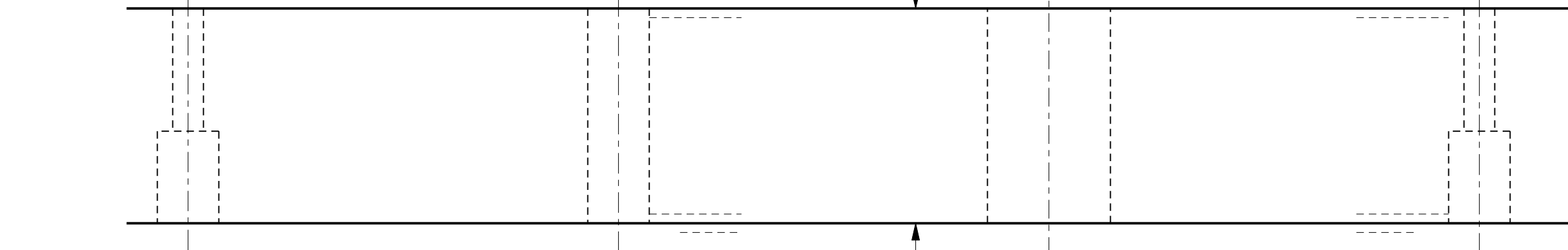
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- 1- FOR DIMENSIONS AND TOLERANCES REFER TO: DOOR PREPARATION DRAWING #IP-510210
 - 2- HIGH AND LOW BEVEL EDGE, H AND L SHOWN FOR DOOR WITH 3° BEVEL ANGLE
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 - ∇ DEEP
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 - 5- BACKSET OF 2-3/4" (70mm). ADJUST TO EXIT DEVICE BACKSET IF DIFFERENT.



HANDLE HEIGHT ON DOOR

DO NOT REPRODUCE
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LHR
DRILLING TEMPLATE
630, 630K, 730, 730K,
750 AND 750K LOCK SERIES

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21/FL21 AND 22/FL22
FOR VON-DUPRIN MODELS:
98/99 EO-F, 9827/9927 EO-F
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