dormakaba

M1000 mechanical mortise locks
Installation instructions

Tools required

#2 Phillips screwdriver
#3 Phillips screwdriver

Parts list (Sectional trim)
1. Inside rose
2. 8-32 x 1-3/4" screws
3. Inside lever assembly
4. #6-1/2" screws
5. Thumb turn
6. Chassis
7. 12-24 x 13/4" combo-screws
8. Armor plate
9. 8-32 x 1/4" screws
10. Outside lever assembly
11. Mortise cylinder
12. Wave washer
13. Cylinder ring
14. Allen key (included)
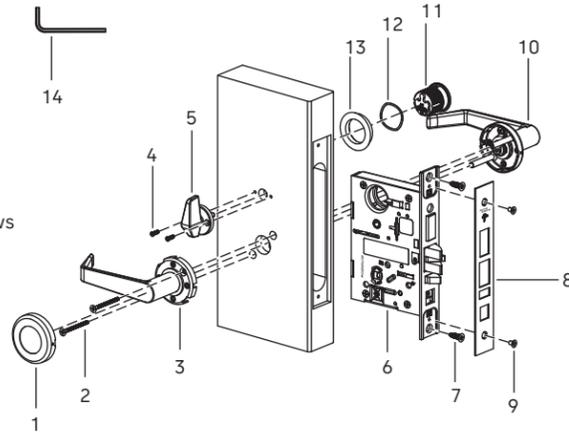
Parts list (M escutcheon trim)
1. Inside lever assembly
2. 8-32 x 1-1/4" screws
3. Inside escutcheon assembly
4. 8-32 x 1-3/4" screws
5. Escutcheon mounting plate
6. Chassis
7. 12-24 x 3/4" combo-screws
8. Armor plate
9. 8-32 x 1/4" screws
10. Outside escutcheon assembly
11. Mortise cylinder
12. Wave washer
13. Cylinder ring
14. Allen key (included)
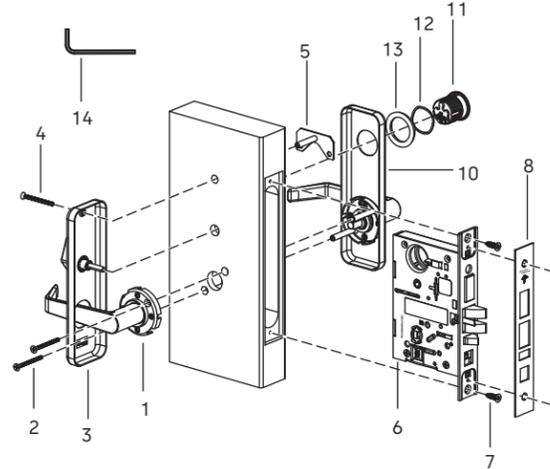
Parts list (H escutcheon trim)
1. Inside escutcheon assembly
2. 10-32 x 2-1/8" screw
3. Chassis
4. 12-24 x 3/4" combo-screws
5. Armor plate
6. 8-32 x 1/4" screws
7. Outside escutcheon assembly
8. Mortise cylinder
9. Wave washer
10. Cylinder ring
11. Allen key (included)
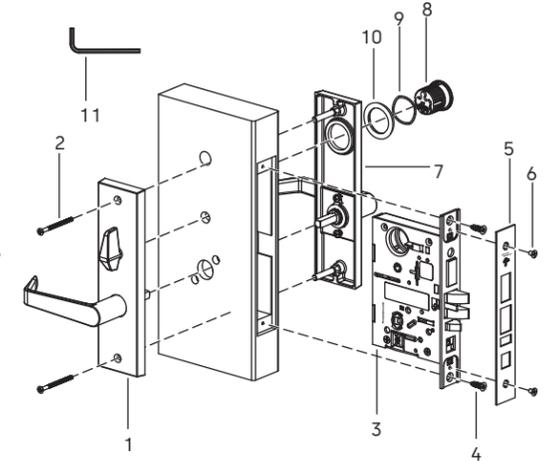
1   Handing instructions

1.1 Determine door handing

1.1.1 Change latch bolt handing if it does not match door handing.

Left hand door (LH) Interior side of door Right hand door (RH)

Hinge — Hinge

Left hand reverse door (LHR) Exterior side of door Right hand reverse door (RHR)
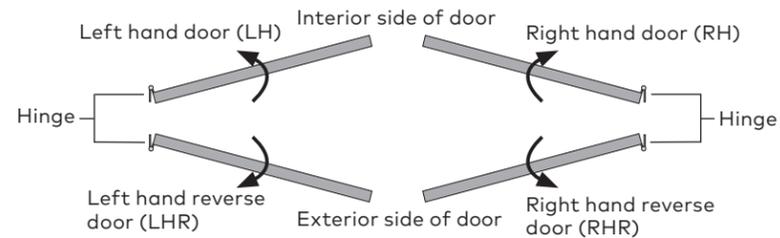
1.2 Reverse direction of latch (if necessary)

NOTE: Orient latch as seen in images.

1.2.1 Remove latch bolt set screw with provided allen key.
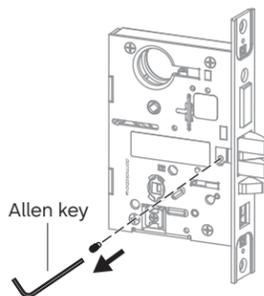
1.2.2 Remove latch from mortise lock.
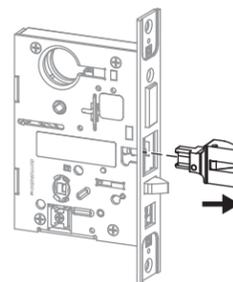
1.2.3 Rotate latch 180°.
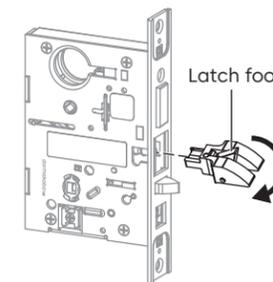
1.2.4 Reinstall latch into lock.
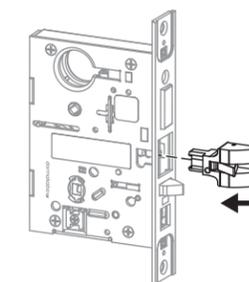
1.2.5 Reinstall latch bolt set screw and tighten securely.

Allen key

Latch foot

Allen key
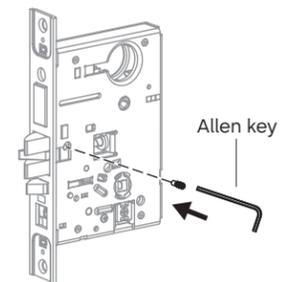
**NOTE: Be sure latch foot is raised when reinserting latch.**

1.3 Position hub toggles (if necessary)

⚠️ **CAUTION: Make sure mortise is locked before adjusting hub toggles.**

⚠️ **CAUTION: Setting hub toggles incorrectly can trap people in room.**

Up   Middle

Locked   Unlocked
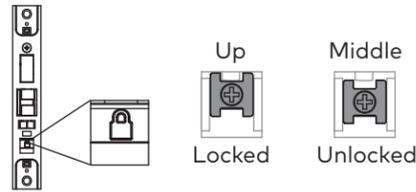
Function	Type	Function	Type	Function	Type
M1050, M1953, M1053, M1056, M1980, M1985, M1986, M1070, M1996, M1956, M1959, M1957, M1060, M1968, M1071, M1967, M1940, M1942, M 1041, M1043, M1047, M1025	Exterior: Up (locked) Interior: Middle (always unlocked)	M1973, M1966, M1958, M1082	Both up	M1010	Both: Middle

Exterior   Interior   Exterior   Interior   Exterior   Interior

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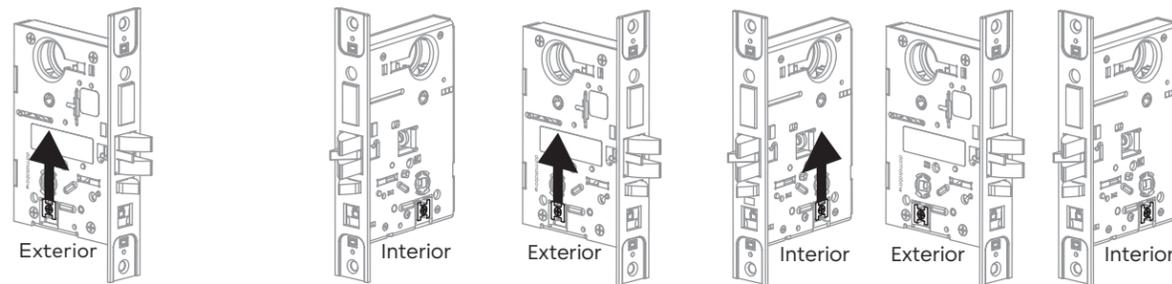
2 Installation instructions

2.1 Install chassis

⚠️ **CAUTION: Orient such that beveled edge of latch faces door jamb.**

⚠️ **CAUTION: Check mortise handing prior to installation.**

2.1.1 Place chassis into door edge.

2.1.2 Secure with two 12-24 x 3/4" combo-screws.

For one-sided trim only

2.1.3 Install trim plate on outside of case body before inserting case body into door.

⚠️ **CAUTION: Do not over tighten.**

12-24 x 3/4" combo-screws

Chassis

Beveled edge

Trim plate

12-24 x 3/4" combo-screws

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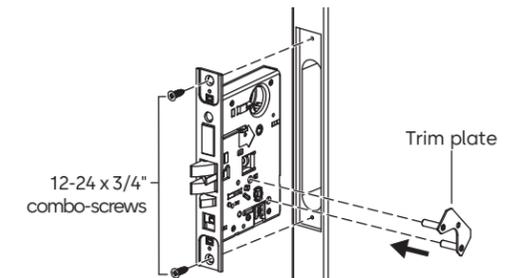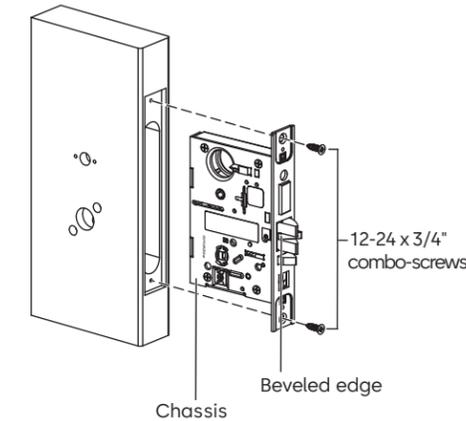
2.2 Install trim

Sectional trim

2.2.1 Place outside lever/rose assembly onto outside face of door.

2.2.2 Place inside lever assembly against inside face of door and secure with two 8-32 x 1-1/4" screws.

2.2.3 Slide rose over lever and firmly press onto insert, oriented with dimples on sides.

2.2.4 Secure thumb turn to door with two #6 x 1/2" screws.

NOTE: Ensure spindle and thumb turn engage mortise chassis.

Thumb turn

#6 x 1/2" screws

Inside rose

Dimple

8-32 x 1-1/4" screws

Inside lever assembly

Outside lever assembly
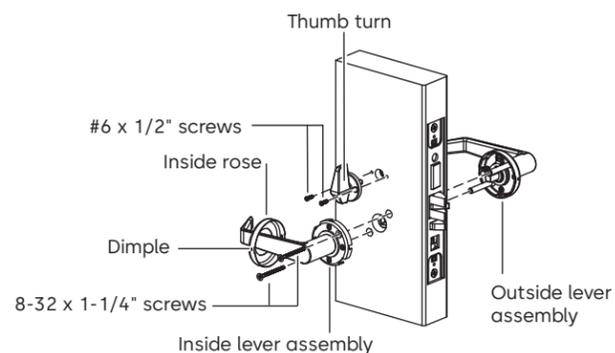
M escutcheon trim

2.2.1 Place escutcheon mounting plate against outside face of door.

2.2.2 Place oustide escutcheon assembly flush against outside face of door covering escutcheon mounting plate and hold in place.

2.2.3 Place inside lever assembly against inside face of door and secure with two 8-32 x 1-1/4" screws.

2.2.4 Slide inside escutcheon assembly over end of lever and press firmly until snug and flush against door.

NOTE: Ensure spindle and thumb turn engage mortise chassis.

2.2.5 Secure inside escutcheon assembly to door with 8-32 x 1-3/4" screw.

Escutcheon mounting plate

8-32 x 1-3/4" screw

Outside escutcheon assembly

Inside escutcheon assembly

8-32 x 1-1/4" screws

Inside lever assembly
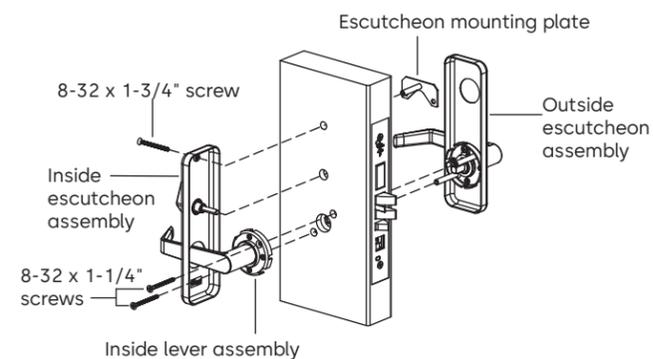
H escutcheon trim

2.2.1 Place outside escutcheon assembly flush against face of door and hold in place.

2.2.2 Place inside escutcheon assembly against inside face of door and secure with two 10-32 x 2-1/8" screws.

**NOTE: Ensure that spindle and thumb turn engage mortise chassis.**

Inside escutcheon assembly

10-32 x 2-1/8" screws

Outside escutcheon assembly
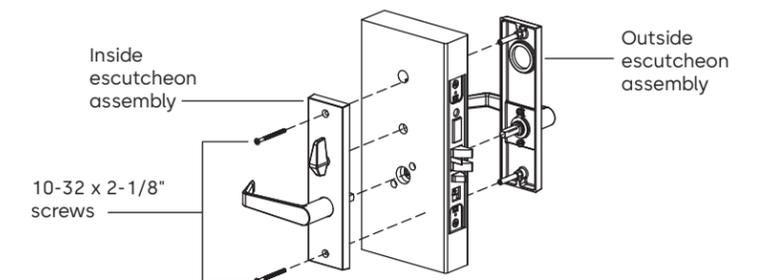
2.3 Install cylinder

Outside escutcheon trim

2.3.1 Thread cylinder into outside escutcheon oriented with plug at bottom center.

  NOTE: Ensure cylinder face is flush with escutcheon.

2.3.2 Tighten cylinder in place with cylinder retainer screws.
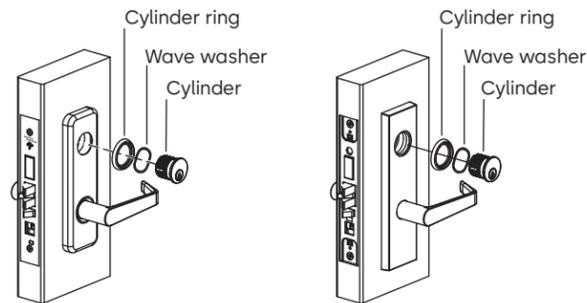
Cylinder sectional

2.3.3 Slide wave washer and cylinder ring over cylinder.

2.3.4 Thread cylinder into face of door, oriented with plug at bottom center.

  NOTE: Ensure cylinder face is flush with cylinder ring.

2.3.5 Tighten cylinder in place with cylinder retainer screws.

 **NOTE: Retainer screw will press against edge of cylinder to hold it in place.**

Plug is at bottom center of cylinder when installed

Retainer screw

Cylinder retainer retracted

Cylinder retainer

Cylinder retainer

Cylinder retainer engaged

Cylinder ring
Wave washer
Cylinder

Cylinder ring
Wave washer
Cylinder

Cylinder ring
Wave washer
Cylinder
Outside lever assembly
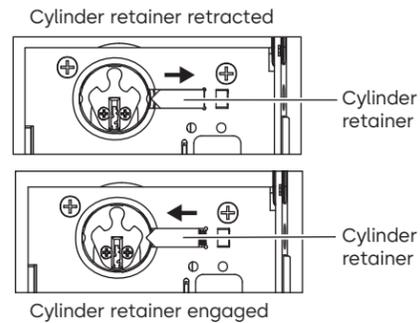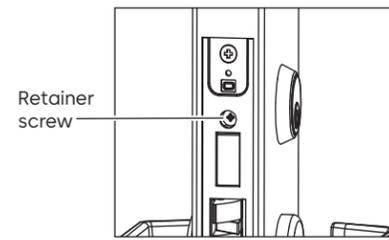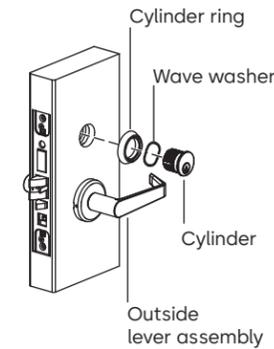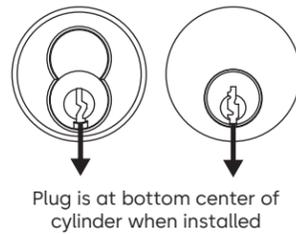
2.4 Install access components for sectional trim

2.4.1 Install emergency access, thumb turn, or coin turn with #6 x 1/2" screws.

Emergency access key only — Exterior

Thumb turn only — Interior

Coin turn only — Exterior
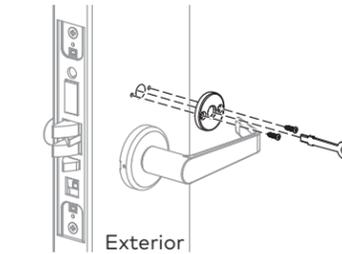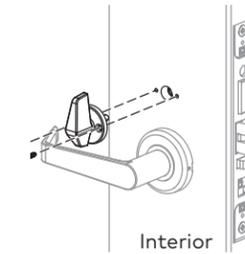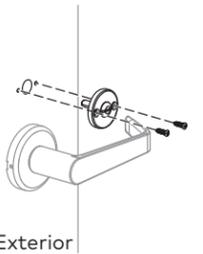
  NOTE: Indicator must be unlocked.

2.4.2 Install coin turn indicator or emergency key access indicator with #6 x 1/2" screws.

  NOTE: Cylinder indicator is secured by cylinder.

Coin turn indicator — Exterior
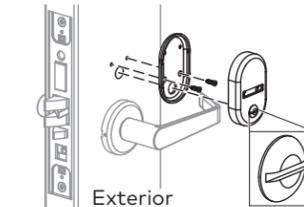
Emergency access indicator — Exterior
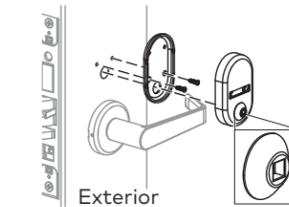
Cylinder indicator — Exterior
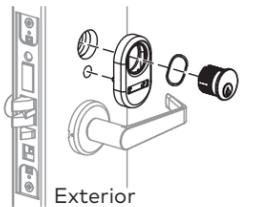
  NOTE: Ensure spindle engages mortise chassis.

## 2.5 Install armor plate

NOTE: Test door function and proper installation prior to securing armor plate or closing door.

2.5.1 Secure armor plate with two 8-32 x 1/4" screws.

Armor plate

8-32 x 1/4" screws
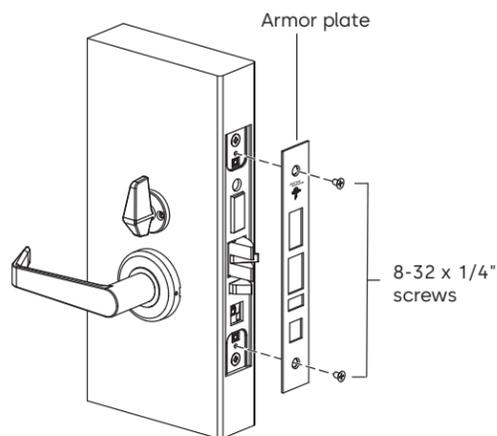
2.6 Install strike

2.6.1 Insert dust box then strike plate.

2.6.2 Secure with two 12-24 x 3/4" combo-screws.

Dust box

Strike plate

12-24 x 3/4" screws
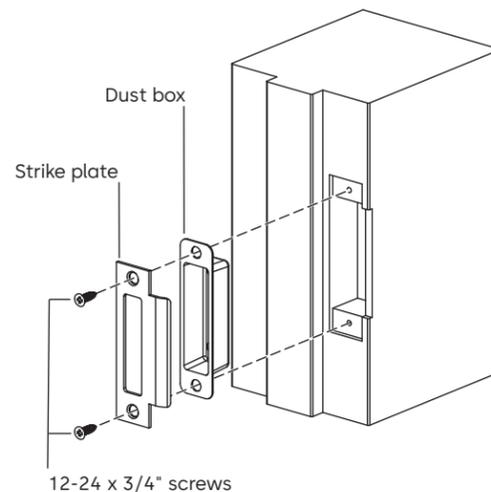
3 Hand trim instructions

3.1 Sectional trim

⚠️ **CAUTION: Do not over tighten.**

Dummy trim

Rose liner
Lever
8-32 Phillips head screws

Spring trim

Rose liner
Spacer
Lever
8-32 Phillips head screw
Spring plate
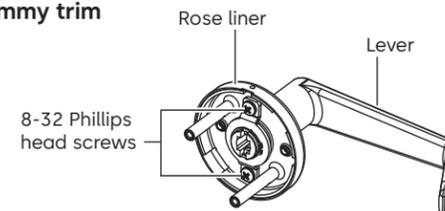
3.1.1 Remove both 8-32 Phillips head screws.

3.1.2 Rotate rose liner 90°.
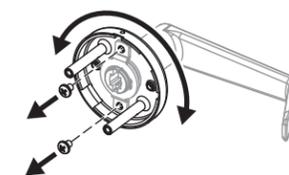
3.1.3 Reinstall both 8-32 Phillips head screws through mount plate.

3.1.4 Remove 8-32 Phillips head screw and spacer.

3.1.5 Rotate rose liner 90°.
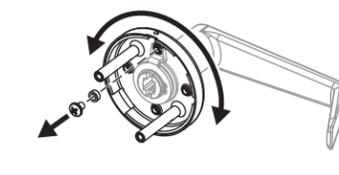
3.1.6 Reinstall 8-32 Phillips head screw and spacer.

  NOTE: Spacer wedges between spring arms.

NOTE: Steps are the same for inside or outside trim.
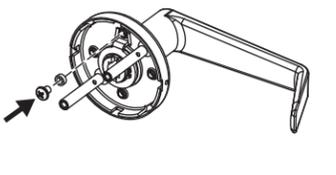
3.2 M trim

⚠️ **CAUTION: Do not over tighten.**

Dummy trim

3.2.1 Remove both 8-32 Phillips head screws.

3.2.2 Rotate rose liner 90°.
3.2.3 Reinstall both 8-32 Phillips head screws through mount plate.

3.2.4 Rotate lever and liner assembly 180° relative to escutcheon.

Escutcheon
Lever
8-32 Phillips head screws
Rose liner
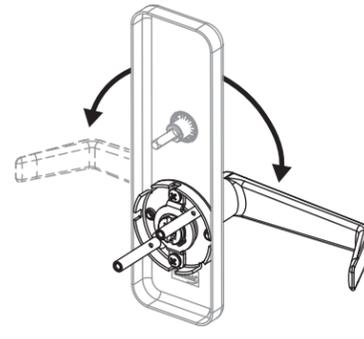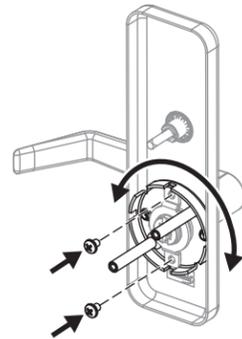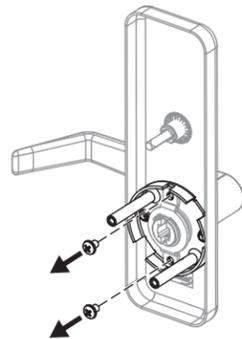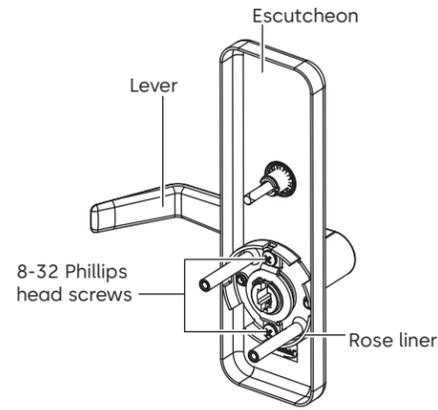
Spring trim

3.2.1 Remove 8-32 Phillips head screw and spacer.

3.2.2 Rotate rose liner 90°.
3.2.3 Reinstall Phillips head screw and spacer.
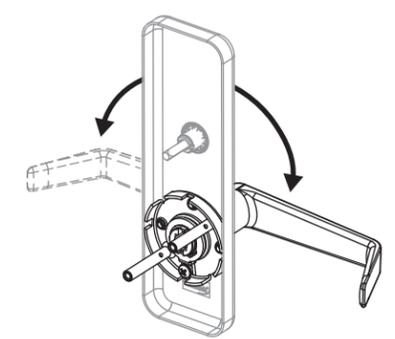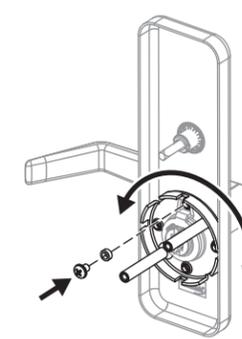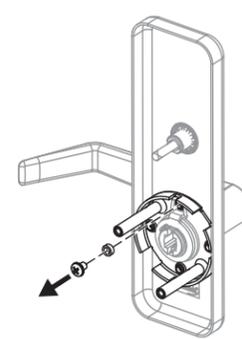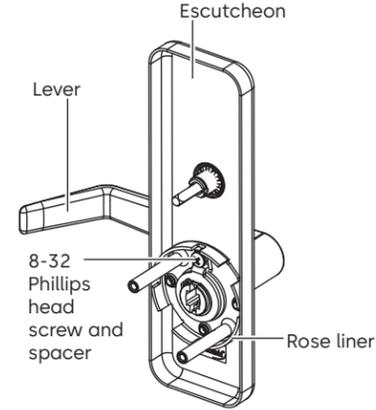
NOTE: Spacer wedges between spring arms.

3.2.4 Rotate lever and liner assembly 180° relative to the excutcheon.

Escutcheon
Lever
8-32 Phillips head screw and spacer
Rose liner

3.3 H trim

⚠️ **CAUTION: Do not over tighten.**

Dummy trim

3.3.1 Remove both 8-32 Phillips head screws.
3.3.2 Rotate lever and mount plate 180°.

3.3.3 Reinstall both 8-32 Phillips head screws.

Lever
8-32 Phillips head screws
Mount plate
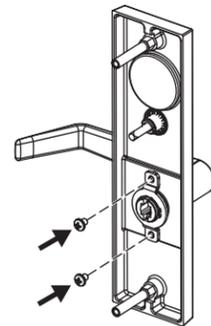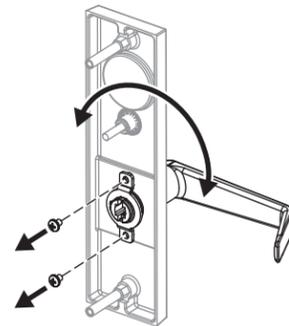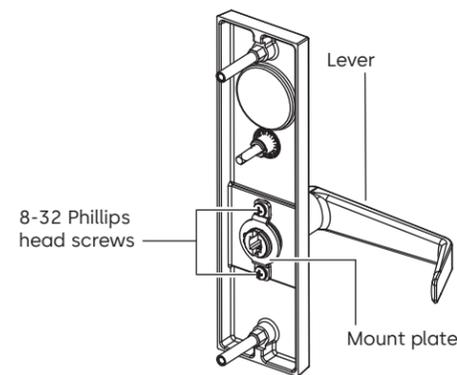
Spring trim

3.3.1 Remove 8-32 Phillips head screw and spacer.
3.3.2 Rotate lever and spring plate 180°.

3.3.3 Reinstall 8-32 Phillips head screw and spacer.

NOTE: Spacer wedges between spring arms.

Lever
8-32 Phillips head screw and spacer
Spring plate
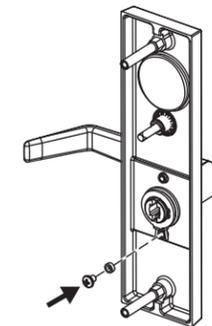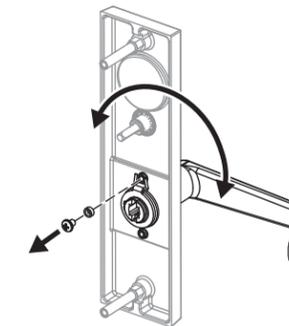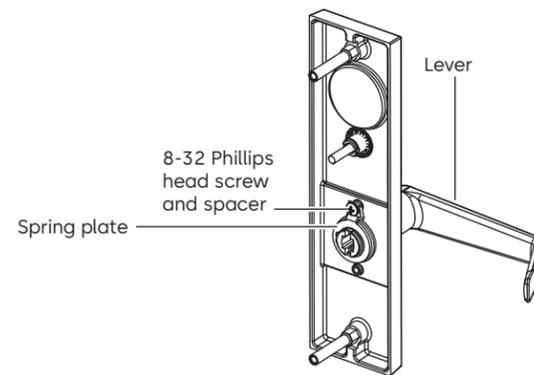
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