

# Installation Instructions

## 10X Line with VSL Indicator Trim

**SARGENT®**

**ASSA ABLOY**

### Product Components

(Entry function with indicator on both sides shown)

Tools required:

- 5/32" drill bit
- 11/32" drill bit
- 1/8" drill bit
- 5/64" Allen wrench
- Lever removal tool
- #2 Phillips screwdriver

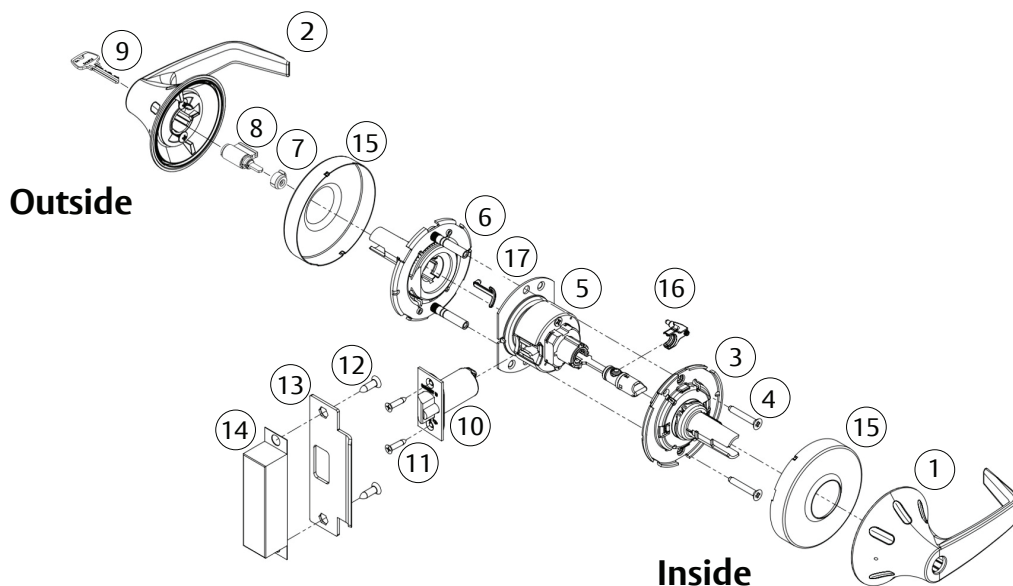


Fig.	Description
1	Inside indicator lever assembly
2	Outside indicator lever assembly
3	Inside spring housing assembly
4	Screws-through-bolt (2) #10-32 x 1-1/4"
5	Lockbody assembly with mounting plate
6	Outside spring housing assembly
7	Cylinder spacer
8	Cylinder
9	Key
10	Latch
11	Screws-latch (2) #8-32 x 3/4"
12	Screws-strike (2) #12-24 x 3/4"
13	Strike
14	Strike Box (Optional)
15	Rose/Scalp (2)
16	Button Arm
17	Shank Insert

### Door Preparation

1. Use template A8290 to mark the door (Figure 1).
2. Drill the door according to the template.
3. Verify the dimensions (Figure 2).
4. Install the strike (Figure 3)

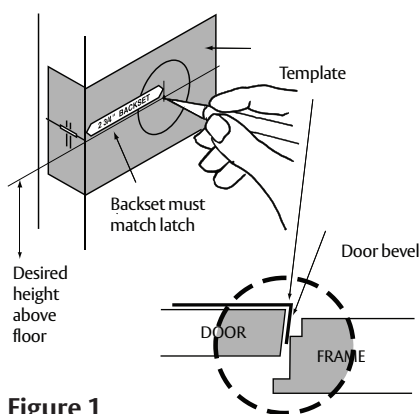


Figure 1

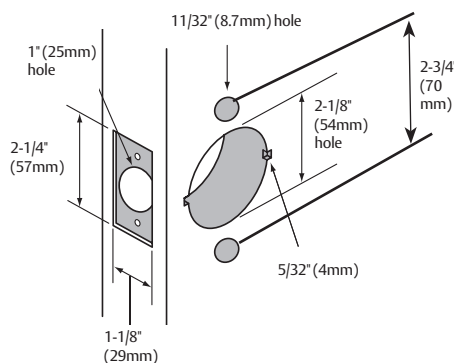


Figure 2

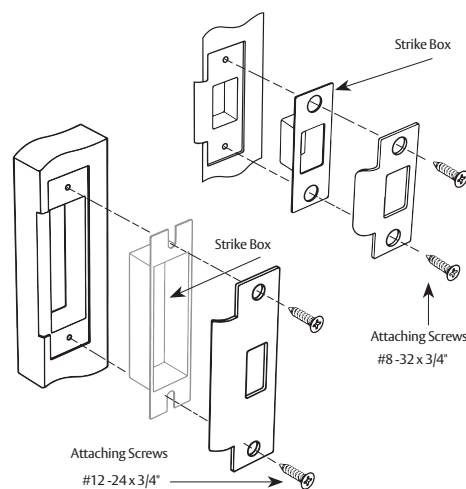


Figure 3

### IMPORTANT

- The accuracy of door preparation is critical for proper functioning and security of this lever handle lock. Misalignment can cause premature wear and a lessening of security.
- Verify backset before marking and drilling door.

1-800-727-5477 • [www.sargentlock.com](http://www.sargentlock.com)

Copyright © 2024, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent [www.assaabloydss.com/patents](http://www.assaabloydss.com/patents).

A8393 07/24 Rev 2

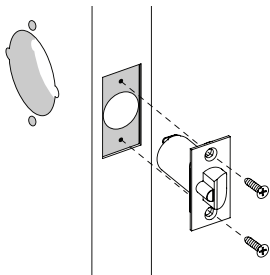
Experience a safer  
and more open world

# 10X Line with VSL Indicator Trim

## Installation Instructions

### Latch Installation

1. Insert latch in door. (Bevel edge of bolt must face the strike plate.)
2. Attach with (2) #8-32 x 3/4" screws supplied.



#### IMPORTANT

Deadlocking latch must stop on strike when door is closed.



### Door Thickness

Indicator trim outside assembly is preset at the factory to door thickness range.



#### IMPORTANT

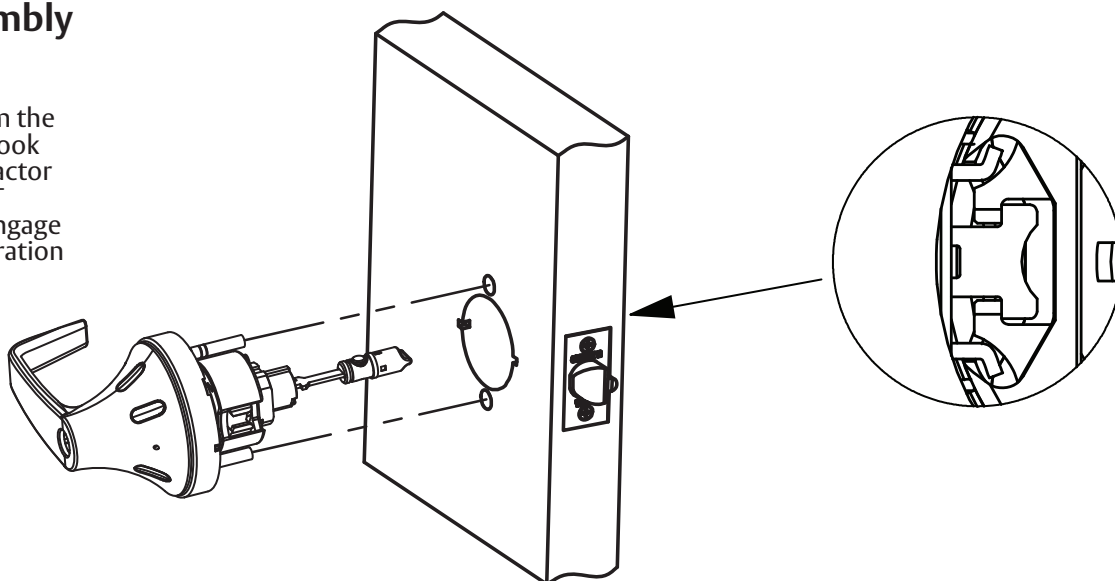
- Do not remove outside lever and rose assembly from lockbody.
- Door must remain open during installation. Use door stop.
- Taking apart the outside assembly may result in voiding the factory warranty. Contact Technical Support with any questions.

Door Thickness	Accommodates Range
1-3/4" Standard (44mm)	1-11/16" to 1-15/16" (43mm - 49mm)
2" (50mm)	1-15/16" to 2-1/8" (49mm - 54mm)
2-1/4" (57mm)	2-1/8" to 2-5/16" (54mm - 59mm)

### Install Outside Assembly

(Indicator assembly shown)

Insert lockbody into door from the outside. The lockbody must hook the latch case so that the retractor engages the bolt tail. **DO NOT FORCE.** (If lockbody doesn't engage latch easily, check door preparation for errors.)



# 10X Line with VSL Indicator Trim

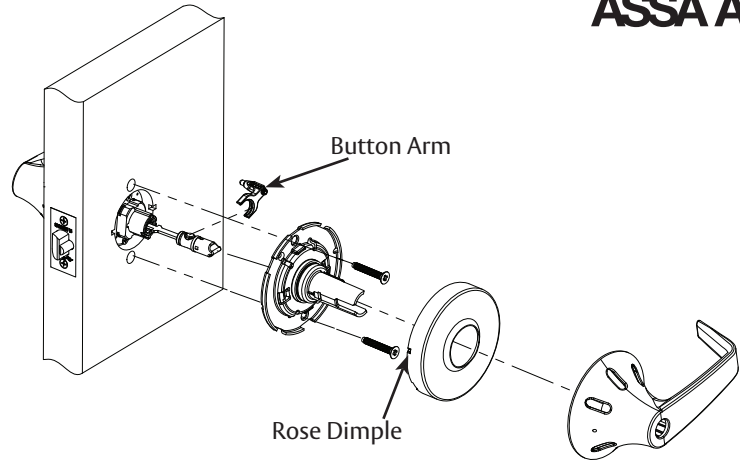
## Installation Instructions

**SARGENT®**

**ASSA ABLOY**

### Install Inside Components

1. Remove rose from inside spring housing assembly.
2. Align and insert inside spring housing onto the installed lockbody.
3. Install screws to tighten the lock to the door.
4. Orient dimples on the side of the rose horizontally at 3 and 9 o'clock position in line with the openings on the spring housing assembly.
5. Install rose onto the inside spring housing assembly.
6. **If indicator trim, go to "Install Button Arm for Indicator Trim" below. If standard lever trim, continue with steps 7 and 8 to complete installation.**
7. For button functions, verify button is in-line with shank when the lock is in the unlocked position. Adjust the button, if necessary, by pressing the plunger and moving it in or out. (See Figure 4.)
8. Install inside lever.



Button in-line with shank indicates correct position based upon door thickness. If the button needs to be adjusted, position it by depressing the plunger, moving it in or out as needed.

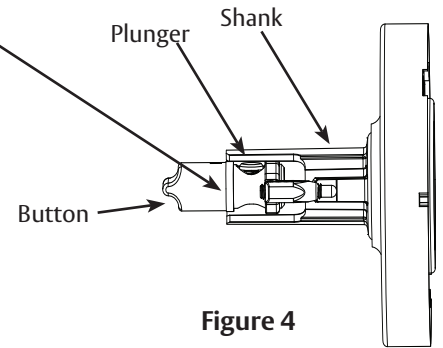


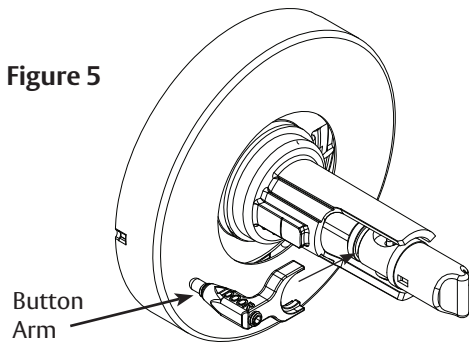
Figure 4

### Install Button Arm for Indicator Trim

(RH/RHR installation shown)

The inside assembly with indicator trim must have the button arm (See Figure 5.) attached to the button before the lever is installed. The button arm will always be installed on the hinge side of the lockbody assembly.

1. Verify the round end of the button arm set screw is pointing towards the door.
2. Snap the button arm into the groove on the button. It will fit securely (See Figure 5.).
3. Round end of button arm should align with shank marking in the unlocked state (See Figure 6. ). Button arm is pre-set at factory. If necessary, use Allen wrench to adjust set screw to align with the shank marking. (See next page for icon alignment.).
4. Install the inside indicator lever. See next page.



Note: Insert button arm into groove.

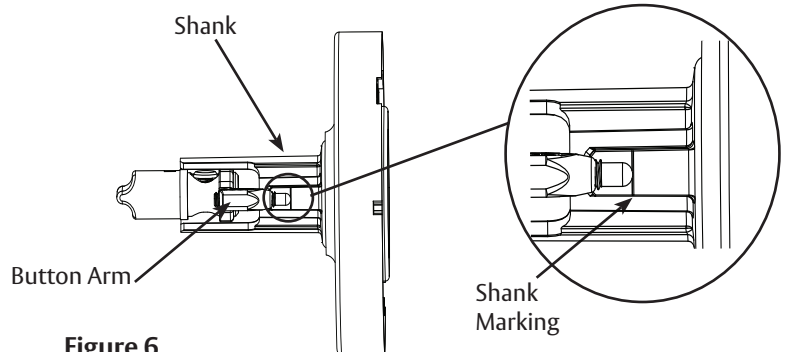


Figure 6

# 10X Line with VSL Indicator Trim

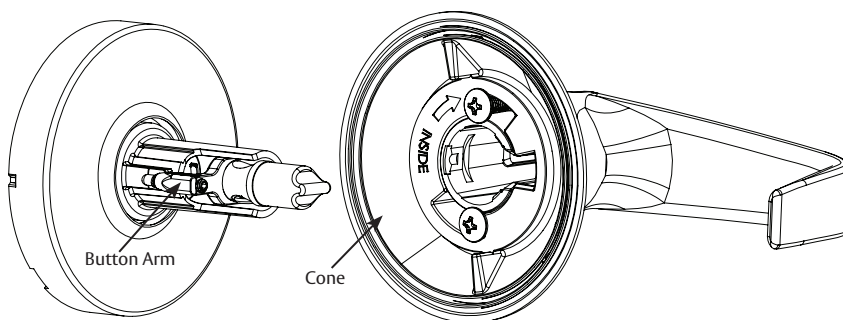
## Installation Instructions

**SARGENT®**

**ASSA ABLOY**

### Install Inside Indicator Lever

1. Rotate the cone inside the lever clockwise so it aligns to fit over the button arm.
2. Push lever on and snap into place.

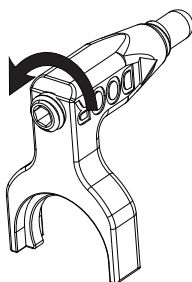
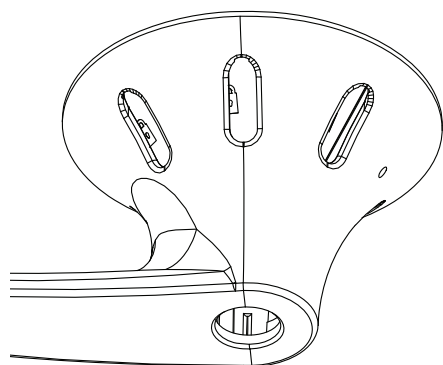


### Icon Alignment

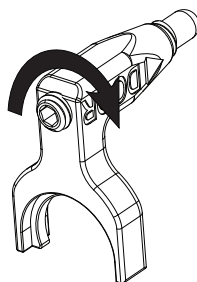
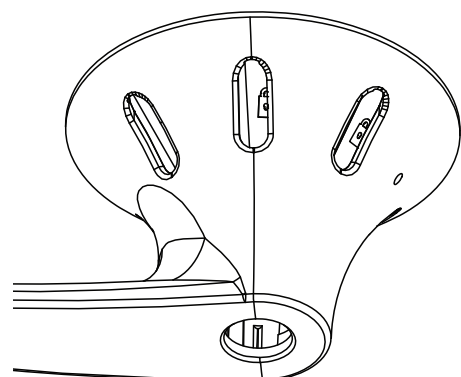
NOTE: The adjustment below is only for the inside lever assembly. No adjustment is required on the outside lever assembly, because it is preset at the factory for door thickness.

If the icons are not entirely visible after installation, see Figure 6 on page 3 to verify the button arm is aligned with the shank marking. If necessary, adjust the screw set by turning either clockwise or counterclockwise with a 5/64" Allen wrench as shown below.

If the icon is shifted to the left, use the wrench to make a 1/2 turn counterclockwise to adjust.



If the icon is shifted to the right, use the wrench to make a 1/2 turn clockwise to adjust.



For each adjustment made on the set screw, reinstall to verify the alignment of the icons. Repeat steps as needed.

# 10X Line with VSL Indicator Trim

## Installation Instructions

### Cylinder Installation

#### IMPORTANT

Before installing cylinders:

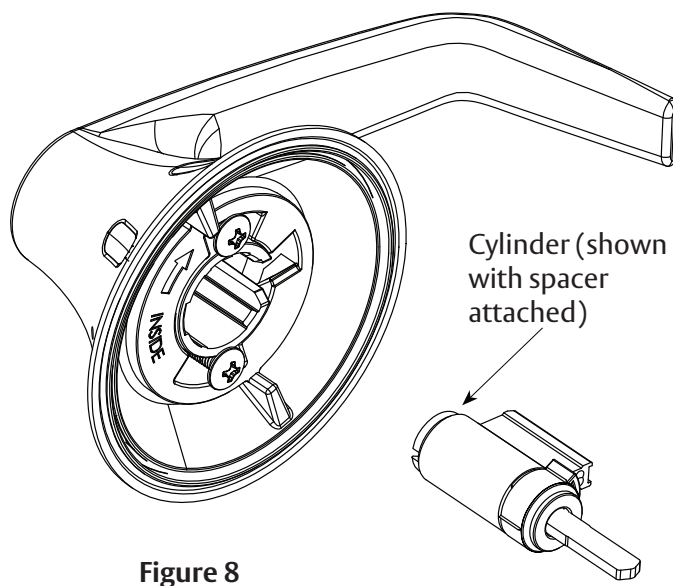
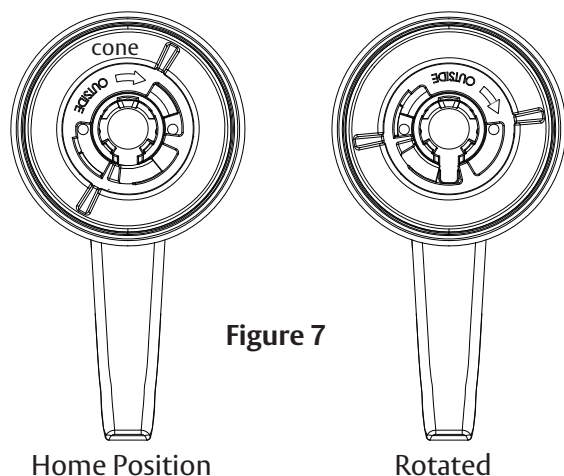
- Use a flat blade screwdriver to rotate cam until the driver points are in a 6 and 12 o'clock position. (See Figure 9, Page 7.)
- Timing may need adjusting on certain functions. (See "Lock Timing" on Page 7.)

#### 1. Fixed Core Cylinders

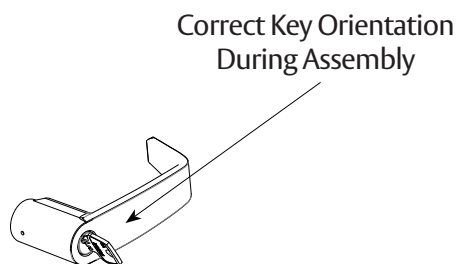
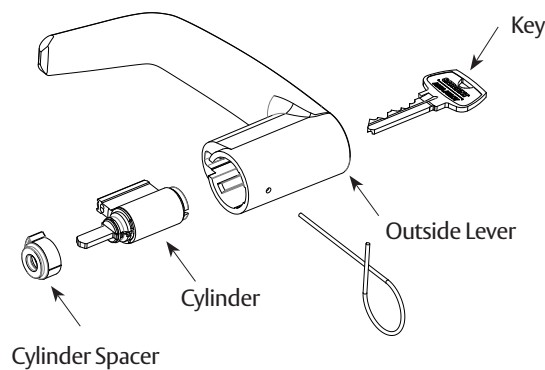
Cylinder spacer should be installed "snapped" on to the cylinder before installing into the outside trim assembly.

##### A. Indicator Levers

1. Rotate cone inside the lever clockwise to allow the cylinder to be inserted. (See Figure 7.)
2. Install cylinder. (See Figure 8.)
3. Release cone.



##### B. Standard Levers



# 10X Line with VSL Indicator Trim

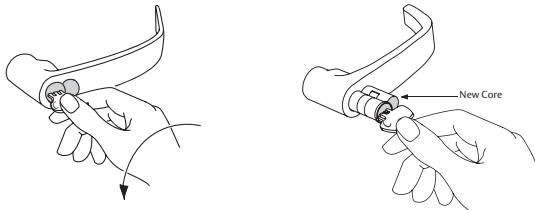
## Installation Instructions

**SARGENT®**

**ASSA ABLOY**

### 2. Interchangeable or Removable Core

1. Remove temporary construction core or plastic core. If keyed, use Control Key (stamped "C") rotate 15° and pull.
2. Insert permanent core into lever with control key; rotate 15° and remove key.

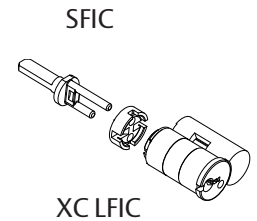


Standard levers shown

Remove Construction Core	Install New/ Final Cylinder
 Remove/Reuse 6 Pin Tailpiece	 7 Pin In Core
 Plastic Core	 6 Pin In Core

#### IMPORTANT

- Remove tailpiece from construction core and insert into new core. If using 7 pin cores, insert the 7 pin tail piece that's supplied with the lock, before installing the core into the lock.
- For XC LFIC cores, snap-on retainer must be installed onto tailpiece. Tail and retainer assembly will press fit onto back of core.



### Lever Removal & Installation

(Standard levers shown)

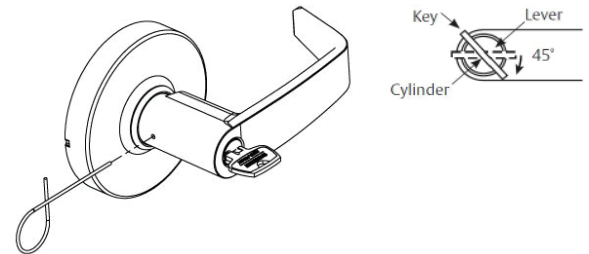
#### 1. Standard Cylinder

##### To Remove:

Rotate key 45° and hold. Depress lever catch with pin tool.

##### To Install:

With driver points at 6 and 12 (See Figure 9 on page 7.), rotate key 45° in either direction, and then slide the lever on over the lever catch. Confirm the lever will not pull off.



#### 2. Interchangeable or Removable Core

##### To Remove:

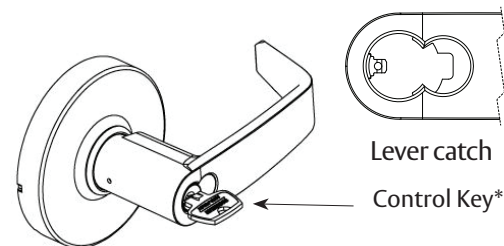
Remove core and tailpiece, using control key (stamped "C").

Insert slotted screwdriver or lever release tool into the cylinder opening and make contact with the lever catch.

Pull lever catch horizontally towards the opposite side of the cylinder opening and remove lever.

##### To Install:

Without the core installed, slide the lever over the lever catch. Confirm the lever will not pull off. Install core and tailpiece, using control key (Stamped "C").



#### Note

For 1-Bitted cylinders, utilize a control key cut 113511.



# 10X Line with VSL Indicator Trim

## Installation Instructions

### Lever Removal & Installation, continued

(Standard levers shown)

#### 3. Plain Lever

**To Remove:**

Depress lever catch with pin tool, remove lever.

**To Install:**

Slide lever on over the lever catch. Confirm the lever will not pull off.

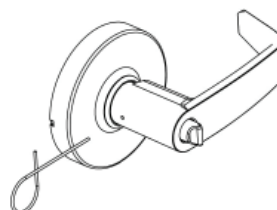
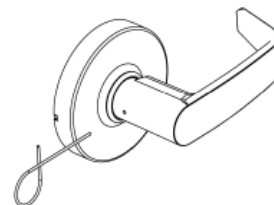
#### 4. Push / Turn Button

**To Remove:**

Depress lever catch with pin tool, remove lever.

**To Install:**

Slide lever on over the lever catch. Confirm the lever will not pull off.



### Lock Timing

Timing is required if cylinders were not provided factory installed. To verify and adjust timing:

#### Functions 10XG37, 10XG54

1. Remove cylinder lever(s) to view internal cam. (See Figure 9.)
2. Adjust internal cam on each side that has a cylinder. To adjust:
  - a. Use a slotted screwdriver to rotate cam fully counterclockwise.
  - b. Confirm that the cam is now at the 6 and 12 o'clock position.
3. Re-install levers with cylinders. (See page 6.)
4. Test cylinder(s) with key before closing door.
5. Confirm outside key rotates 360° in both directions from the shed position.
6. If outside key does not rotate 360°, repeat steps 1-5.

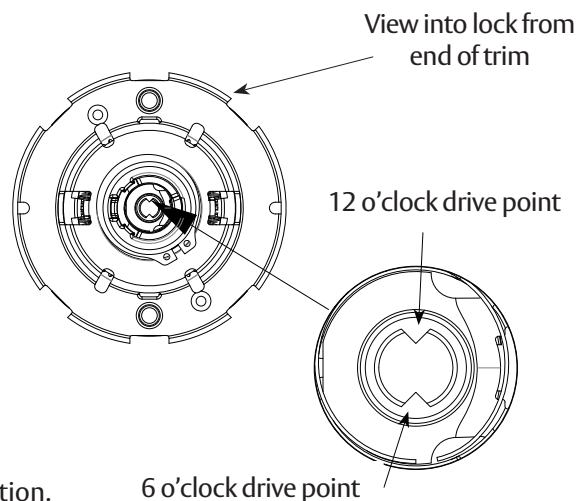


Figure 9

#### Functions 10XG38

1. Remove cylinder lever to view internal cam. (See Figure 9.)
2. Adjust internal cam on each side that has a cylinder. To adjust:
  - a. Use a slotted screwdriver to rotate cam fully clockwise.
  - b. Rotate cam back until the driver points at the 6 and 12 o'clock position.
3. Re-install levers with cylinders. (See page 6.)
4. Test cylinder(s) with key before closing door.
5. Confirm outside key rotates approximately 180° in both directions.
6. If outside key rotates 360°, repeat steps 1-5.

#### Function 10XG53

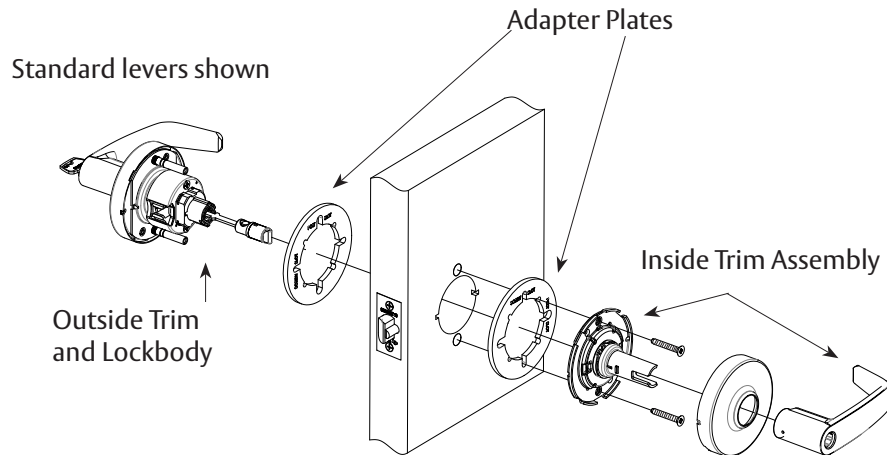
1. Remove cylinder lever to view internal cam. (See Figure 9.)
2. Adjust internal cam using a slotted screwdriver rotating fully clockwise.
3. Confirm that cam drive points are at the 6 and 12 o'clock positions.
4. Re-install lever. (See Page 6.)
5. Test cylinder with key before closing door.
6. Key should rotate approximately 225° counterclockwise from shed position to lock and less than 90° from shed position to unlock.
7. Repeat steps 1-6 if necessary to correct timing.

## Miscellaneous Options

### 1. 1-3/8" Doors (1-Option)

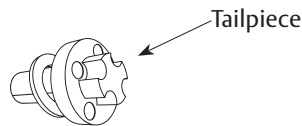
Install (1) adapter plate between the door and rose assemblies (both sides).

- Inside trim to be aligned with holes marked screw slot.
- Outside trim through-bolts to be aligned with through-bolt holes marked on adapter plate.



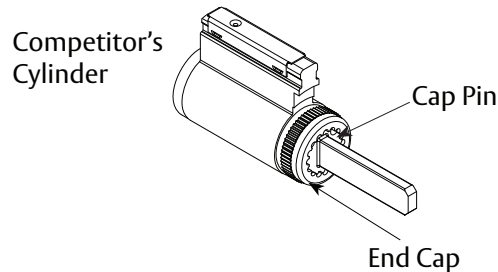
### 2. Lever to Accept Schlage® LFIC (SF-Option)

- Provided less core.
- Tailpiece included with lock.
- Attach tailpiece to Schlage® LFIC and insert into the lever.



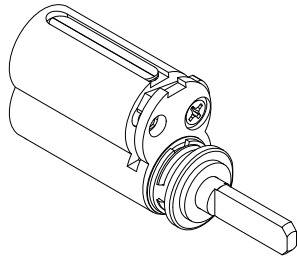
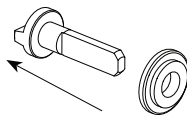
### 3. Lever to Accept Schlage® or ASSA ABLOY ACCENTRA™ Fixed Core Cylinder (30- or YC- Option)

- Provided less core.
- Depress cap pin and unscrew end cap to remove tailpiece from competitor cylinder.
- Insert new tailpiece, in orientation shown.
- Re-assemble end cap over new tailpiece.



### 4. Lever to Accept ACCENTRA LFIC (YRC- Option)

- Provided less core.
- Slide provided spacer over tailpiece
- Insert driver assembly into back of core.



#### WARNING

Attention Installer: Improper installation may result in damage to the product and void the factory warranty.

#### WARNING

This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov).

1-800-727-5477 • [www.sargentlock.com](http://www.sargentlock.com)

Copyright © 2024, SARGENT Manufacturing Company. All rights reserved. Reproduction in whole or in part without the express written permission of SARGENT Manufacturing Company is prohibited. Patent pending and/or patent [www.assaabloydss.com/patents](http://www.assaabloydss.com/patents).

A8393 07/24 Rev 2

**SARGENT®**

**ASSA ABLOY**

Experience a safer  
and more open world