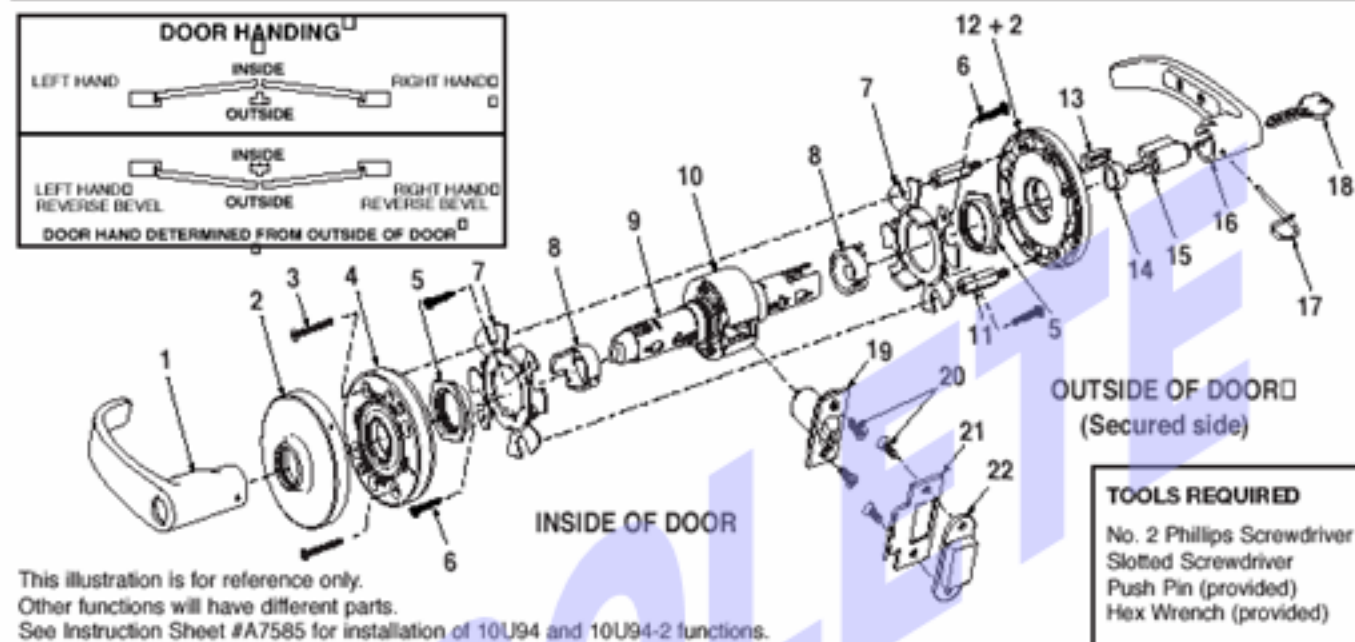


SARGENT®

INSTALLATION INSTRUCTIONS FOR 10-Line and Free Wheeling (FW) 10-Line Lever Lock

For installation assistance, contact SARGENT at 800-727-5477

This instruction sheet
covers product
manufactured
prior to
February, 17 2004.



PARTS LIST

Item	Description	Qty.	Item	Description	Qty.
1	Inside Lever	1	12	Outside Rose Assembly	1
2	Scalp (inside/outside)	1	13	Cylinder Retainer	1
3	Thru-bolt Screw, #10-32 x 1-3/4"	2	14	Cylinder Spacer	1
4	Inside Rose Assembly	1	15	Cylinder (standard)	1
5	Hex Nut	2	16	Outside Lever	1
6	Mounting Plate Screws #6-20 x 3/4" self tapping	4	17	Push Pin	1
7	Mounting Plate (inside/outside)	2	18	Key	2
8	Spacer Bushing (inside/outside)	2	19	Latch Assembly	1
9	Lever Tube	1	20	Latch & Strike Screws, #8-32 x 3/4" (standard)	4
10	Lock Body	1	21	Standard Strike (800)	1
11	Studs	2	22	Strike Box	1

WOOD DOOR TEMPLATE — OTHER SIDE

1 Door Preparation

- Place template on door and mark hole centers
- Bore 2-1/8" crossbore
- Bore 1" hole (except 10U94 & 10U94-2)
- Make (2) 1/8" notches at horizontal

2

- Cut rectangular front recess (except 10U94 & 10U94-2)

3

- Centerline of Front and Strike
- Mark centerline on jamb
- Mark outline of strike
- Cut recess for latch bolt
- Install strike; secure with two screws

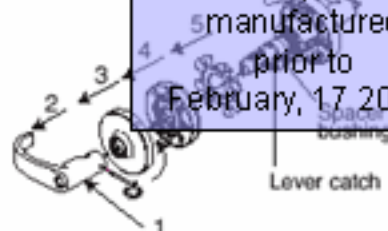
Important: Guardbolt stops on strike when door is closed.

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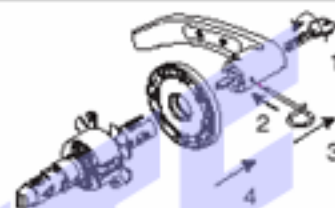
4 Disassembly of Inside of Lock (non-keyed side)

1. Insert push pin into hole in inside lever.
2. Remove inside lever.
3. Rotate scalp counter-clockwise and remove.
4. Depress lever catch on tube and remove inside rose.
5. Remove mounting plate.
6. **Leave** spacer bushing on lever tube.



5 Disassembly of Outside of Lock

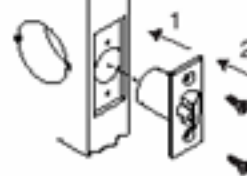
1. Insert key into cylinder and rotate 45 degrees clockwise. For 10U68 function, rotate the thumbturn instead of key.
2. While key is rotated, insert push pin into hole in outside lever.
3. Remove outside lever. For 10U68, rotate thumbturn 45 degrees counter-clockwise to original position.
4. Remove outside scalp and rose assembly.
5. **Leave** outside mounting plate and hex nut on lockbody.



6 Latch Installation

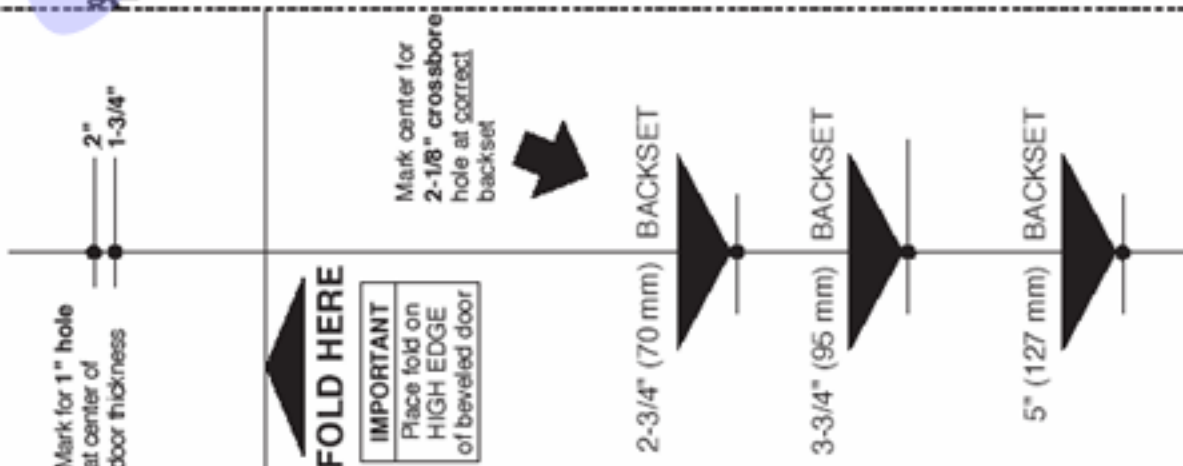
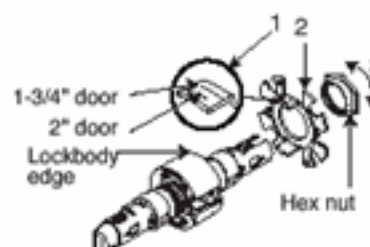
Important: Door must remain open during installation. Use door stop.

1. Insert latch into door edge — bevel of latchbolt must face the direction door closes.
2. Install latch screws.



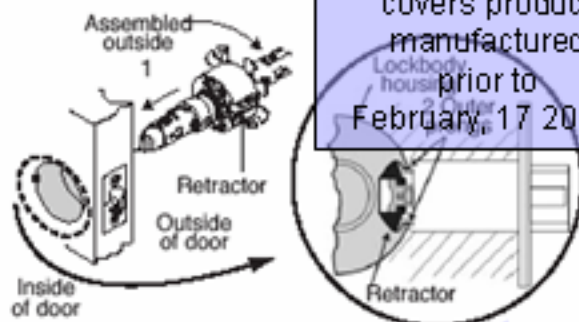
7 Adjust for Door Thickness

1. Lock is factory preset for 1-3/4" door.
2. Check for proper door thickness — for **2" door** the short-mark should line up with lockbody edge when mounting plate is pulled away from lockbody; for **1-3/4" door** the long-mark on mounting plate tab should line up with lockbody edge.
3. Adjust for proper door thickness by rotating hex nut as needed.



8 Lockbody Installation

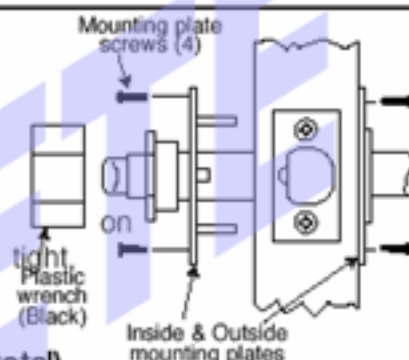
1. Insert lock body, from outside of door, into door with open end of the retractor facing door edge.
2. Engage the latchbolt's 2 outer prongs with the rim of the lockbody housing while inserting the latchbolt's T-shaped tailpiece into the lockbody retractor. Partially depressing the latchbolt will simplify assembly.



This instruction sheet covers product manufactured prior to February 17 2004.

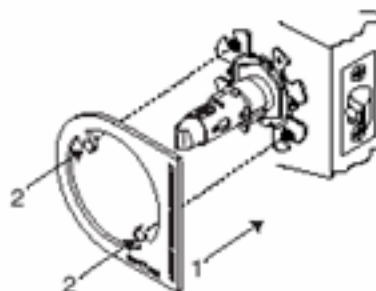
9 Inside Mounting Plate Assembly

1. Insert inside mounting plate, aligning the two long tabs into the lockbody and two smaller tabs into horizontal notches in door.
2. Thread hex nut onto lock body using plastic wrench provided and tighten.
3. Test operation by rotating both inside and outside lever tubes lockbody by hand to make sure latch operates. If lock is too loosen hex nut as needed.
4. **Important: Secure inside and outside mounting plates with two self tapping mounting plate screws (2 each side - 4 total).**



10 Drill Two Thru-bolt Holes

1. Place D-shaped template on inside of door as shown.
2. Mark two hole locations and remove template.
3. Drill two 1/8" pilot holes halfway through door.
4. Using pilot hole, drill 7/16" holes halfway through door.
5. Repeat on outside of door.

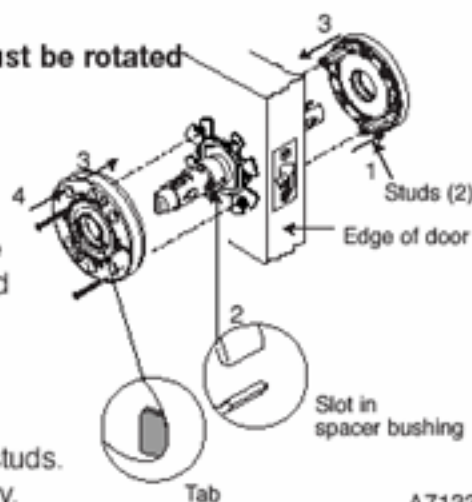


11 Install Inside & Outside Roses

Important:

- The slot in each spacer bushing (both sides of door) must be rotated so that it faces toward the edge of the door.
- The tab on the inner diameter of the rose assembly fits into the slot of the spacer bushing, which faces the door edge.

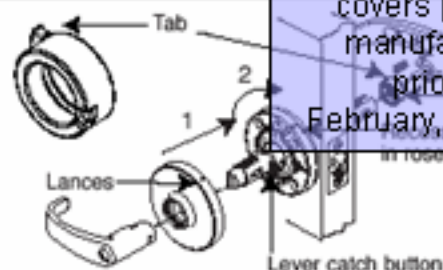
1. Thread studs into outside rose assembly to **match the hole locations in the door** when the rose assembly is positioned as noted above.
2. Rotate spacer bushing slot toward edge of door.
3. Install the outside and inside rose assembly until flat with door face.
4. Thread thru-bolt screws through inside rose, door and into studs.
5. Test operation of lock by rotating the lever tubes on lockbody.



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12 Install Inside Scalp

1. Place scalp onto inside rose with lances going into recesses in rose.
2. Twist clockwise to secure scalp onto rose.



13 Installing Inside & Outside Levers

Important: If the lock being installed is a **10G13** function, the outside lever must be installed first. Install outside lever onto the lever tube halfway, then insert the long push pin into the inside lever tube of the lockbody to move the outside lever catch button from inside the lockbody. Push the outside lever onto the lever tube completely. The inside lever is installed by pushing it directly onto the inside lever tube by hand until the lever catch button is secured.

1. With inside lever horizontal, slide onto lever tube until lever catch button is secure.
2. Insert round cylinder spacer into horizontal slot of lever tube, (on opposite side from latch) raised tab of spacer should face out (see illustration, step 12).
3. Insert cylinder into outside lever and secure with cylinder retainer.

Important: If the lock being installed is a **10G16, 10G30, 10G37, 10G38** or **10G54** function, the **cross-hair cam (part that rotates) within the lever tube must be rotated completely counter-clockwise** using a Phillips head screwdriver, before assembling the outside lever.

4. Holding lever horizontal, install outside lever onto lever tube as far as it will go.
For 10U68 function, start with thumbturn horizontal.
5. Insert key into cylinder and rotate 45 degrees clockwise.
For 10U68 function, rotate the thumbturn instead of key.
6. Push lever the rest of way on the lever tube until the lever catch button is engaged.
7. Pull on lever to check for engagement.

Important: Test for proper cylinder installation by rotating outside cylinder (check inside cylinder also when present) 360 degrees. If cross-hair cam was not rotated to correct position, then cylinder will not rotate 360 degrees and the lock will not function correctly. If the cylinder does not rotate fully, remove the outside lever per step 5, fully rotate the cross-hair cam and reinstall lever. 10U68 function thumbturn will only rotate approximately 50 degrees when assembled.



14 Cylinder Removal

1. Remove outside lever as per **step 5**.
2. Remove key, lever retainer and cylinder from outside lever.
3. If inserting a new cylinder or lever then follow **step 13** starting at #3.

