NEW STANDARD instructions for Schlage type, key-in-knob cylinder, dual-function; key retaining, non-key retaining convertible padlock, model numbers: 375-***& 400-***.

Parts list:

- padlock body
- padlock shackle
- rotator bolt
- rotator pins, 4 ea.
- cylinder retainer
- cylinder retaining screw
- shackle spring
- locking balls, 2 ea.
- rotator torsion spring
- rotational stop
- retainer set screw

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Trim cylinder tailpiece to length using template, fig. 1.

2. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer setscrew as shown in fig. 2, (do not over tighten set screw and crush the last pin chamber!)

3. Determine tailpiece orientation of your selected cylinder, see fig. 3.

4. Assemble rotator bolt for correct tailpiece type, see figure 4.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. For horizontal tailpiece, insert pins in holes A & D.
   C. For vertical tailpiece, insert pins in holes B & C.
   D. Start pin in hole, tapered end first, use square end punch or vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   E. Place rotator spring over rotator bolt, making sure spring leg enters the spring hole.

5. Place shackle spring into long shackle hole in padlock body.

6. Insert shackle into padlock body.

7. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (a bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

8. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.

FIGURE 1

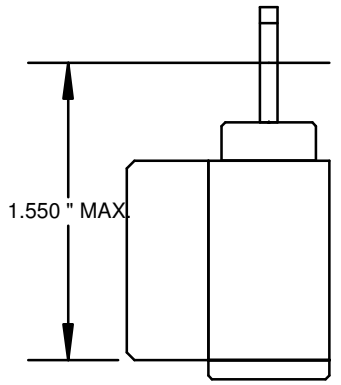
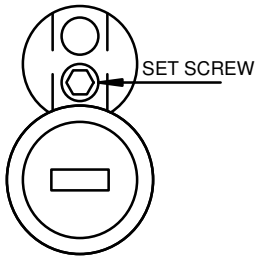
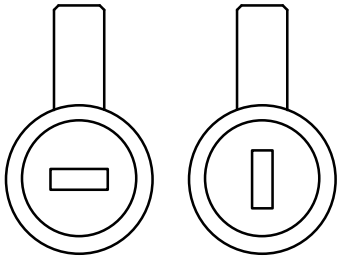


FIGURE 2



CYLINDER RETAINER ON CYLINDER PIN HOUSING

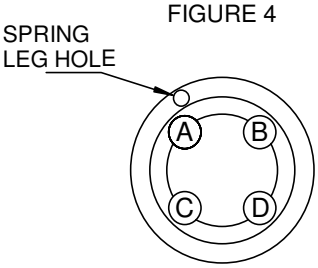
FIGURE 3



HORIZONTAL TAILPIECE

VERTICAL TAILPIECE

FIGURE 4



ROTATOR BOLT

9. Using a 1/4" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

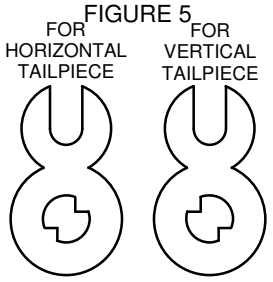
10. Orient the rotational stop for the appropriate tailpiece as shown in fig. 5, and place in cylinder bore, covering the rotator bolt.

11. WARNING ! Orient rotational stop correctly for tailpiece used. Installing incorrectly will LOCK-UP padlock. Do not install cylinder retaining screw until you have completely assembled and function tested padlock to confirm correct orientation.

12. Install cylinder assembly into padlock with key turned 45 degrees clockwise to "time" the mechanism, turning key slightly each direction assists tailpiece in entering rotator.

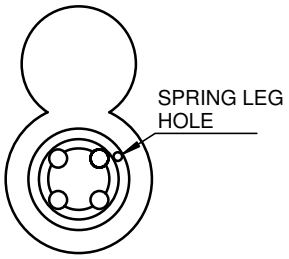
13. Holding padlock together, test for proper operation. Key should turn clockwise to unlock. After correct functioning is confirmed, unlock padlock and install cylinder retaining screw in short shackle hole.

FIGURE 5



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 6



For key retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C, & D)

2. Follow steps 1, 2, 3, 5, 6, & 7 above.

3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown in figure 6.

4. Install rotational stop as in step 10 above.

5. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into padlock body, wiggle the key as necessary to allow tailpiece to "find" the hole in the rotational stop and enter the rotator bolt.

6. Once cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten.

7. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

8. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

NEW STANDARD instructions for Schlage type, key-in-knob cylinders, key retaining only model numbers: 175-***& 200-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- cylinder retainer
- retainer set screw
- cylinder retaining screw

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

1. Trim cylinder tailpiece to length using template, fig. 1.
2. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer setscrew as shown in fig. 2, (do not over tighten set screw and crush the last pin chamber!)
3. Place shackle spring into long shackle hole in padlock body.
4. Insert shackle into padlock body.
5. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (a bit of assembly grease will help keep the balls in position while installing the rotator bolt.)
6. Orient the rotator bolt as shown in Fig. 3, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.
7. Determine tailpiece orientation of your selected cylinder, see fig. 4.
8. Orient the rotational stop for the appropriate tailpiece as shown in fig. 5, and place in cylinder bore, covering the rotator bolt.
9. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into the padlock body, wiggle the key as necessary to allow the tailpiece to "find" the hole in the rotational stop and enter the rotator bolt.
10. Once the cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.
11. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 1

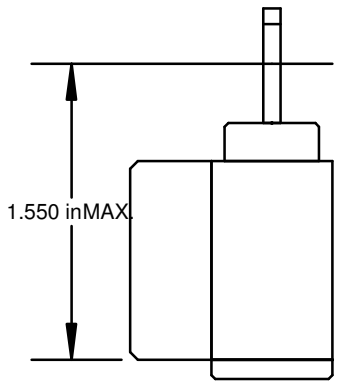
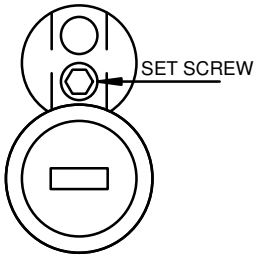
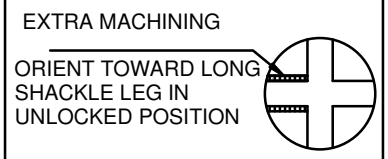


FIGURE 2



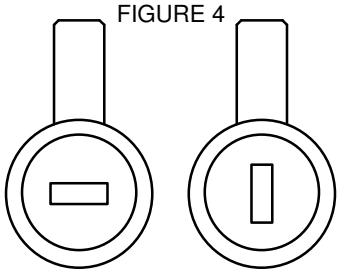
CYLINDER RETAINER ON CYLINDER PIN HOUSING

FIGURE 3



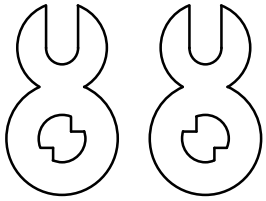
KEY RETAINING ROTATOR BOLT

FIGURE 4



HORIZONTAL TAILPIECE | VERTICAL TAILPIECE

FIGURE 5



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY SEE INSTRUCTIONS

NEW STANDARD instructions for Sargent-Arrow, key-in-knob cylinder, dual-function; key retaining, non-key retaining convertible padlock, model numbers: 376-***& 401-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- rotational stop
- cylinder retainer
- retainer set screw
- cylinder retaining screw

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Trim cylinder tailpiece to length using template, fig. 1.

2. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer setscrew as shown in fig. 2, (do not over tighten set screw and crush the last pin chamber!)

3. Sargent-Arrow cylinders have vertical tailpieces as shown in fig. 3.

4. Assemble rotator bolt for vertical tailpiece, see figure 4.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. Insert pins in holes B & C.
      - Start pin in hole, tapered end first, use square end punch or vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   D. Place rotator spring over rotator bolt, making sure spring leg enters the spring hole.

5. Place shackle spring into long shackle hole in padlock body.

6. Insert shackle into padlock body.

7. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (a bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

8. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.

FIGURE 1

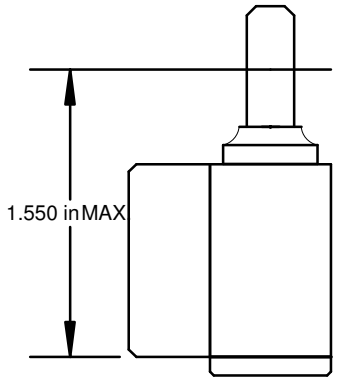
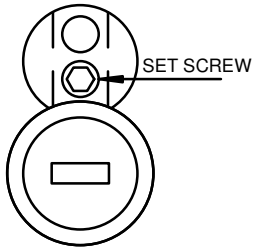
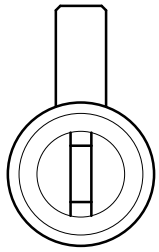


FIGURE 2



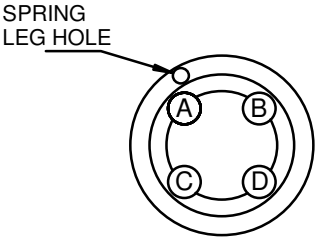
CYLINDER RETAINER ON CYLINDER PIN HOUSING

FIGURE 3



VERTICAL TAILPIECE

FIGURE 4



ROTATOR BOLT

9. Using a 1/4" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

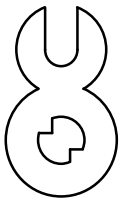
10. Orient the rotational stop for the vertical tailpiece as shown in fig. 5, and place in cylinder bore, covering the rotator bolt.

11. WARNING ! Orient rotational stop correctly for vertical tailpiece. Installing incorrectly will LOCK-UP padlock. Do not install cylinder retaining screw until you have completely assembled and function tested padlock to confirm correct orientation.

12. Install cylinder assembly into padlock with key turned 45 degrees clockwise to "time" the mechanism, turning key slightly each direction assists tailpiece in entering rotator.

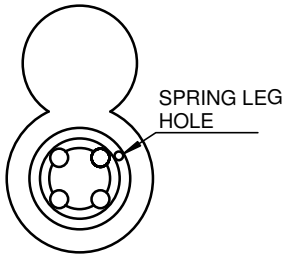
13. Holding padlock together, test for proper operation. Key should turn clockwise to unlock. After correct functioning is confirmed, unlock padlock and install cylinder retaining screw in short shackle hole.

FIGURE 5
FOR VERTICAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 6



For key retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C, & D)

2. Follow steps 1, 2, 3, 5, 6, & 7 above.

3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown in figure 6.

4. Install rotational stop as in step 10 above.

5. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into padlock body, wiggle the key as necessary to allow tailpiece to "find" the hole in the rotational stop and enter the rotator bolt.

6. Once cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten.

7. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

8. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

NEW STANDARD instructions for Sargent-Arrow, key-in-knob cylinder, key retaining only model numbers: 176-***& 201-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- cylinder retainer
- retainer set screw
- cylinder retaining screw

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

1. Trim cylinder tailpiece to length using template, fig. 1.
2. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer setscrew as shown in fig. 2, (do not over tighten set screw and crush the last pin chamber!)
3. Place shackle spring into long shackle hole in padlock body.
4. Insert shackle into padlock body.
5. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (a bit of assembly grease will help keep the balls in position while installing the rotator bolt.)
6. Orient the rotator bolt as shown in Fig. 3, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.
7. Sargent-Arrow cylinders have vertical tailpieces as shown in fig. 4.
8. Orient the rotational stop for the vertical tailpiece as shown in fig. 5, and place in cylinder bore, covering the rotator bolt.
9. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into the padlock body, wiggle the key as necessary to allow the tailpiece to "find" the hole in the rotational stop and enter the rotator bolt.
10. Once the cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.
11. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 1

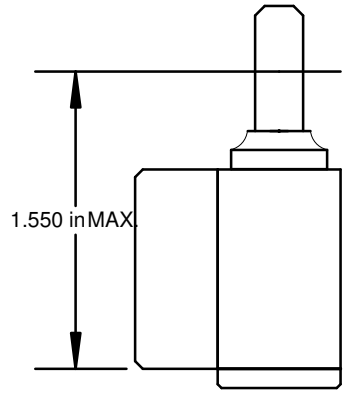
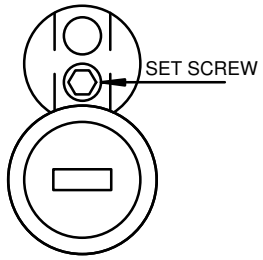
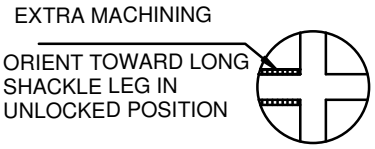


FIGURE 2



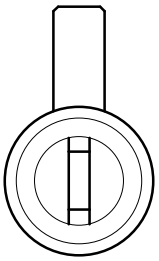
CYLINDER RETAINER ON CYLINDER PIN HOUSING

FIGURE 3



KEY RETAINING ROTATOR BOLT

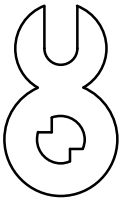
FIGURE 4



VERTICAL TAILPIECE

FIGURE 5

FOR VERTICAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

NEW STANDARD instructions for Russwin-Corbin heavy duty, key-in-knob cylinder, dual-function; key retaining, non-key retaining convertible padlock, model numbers: 377-*** & 402-***.

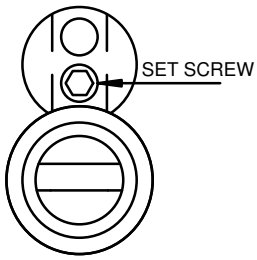
Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- Rotational stop
- cylinder retainer
- cylinder retainer set screw
- cylinder retaining screw
- cylinder tailpiece

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer set screw as shown in Fig. 1, (do not over tighten set screw and crush the last pin chamber!) Note: Some cylinders may have a squared area above plug face that must be rounded slightly to allow cylinder retainer to seat fully, file shaded areas shown in Fig. 2.
2. The Russwin-Corbin cylinder uses a horizontal tailpiece placed in the female slot in the rear of the cylinder plug.
3. Assemble the rotator bolt for horizontal tailpiece see Fig. 3.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. Insert pins in holes A & D.
   C. Start pin in hole, tapered end first, use square end punch or vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   D. Place rotator spring over rotator bolt, making sure spring leg enters the spring hole
4. Place shackle spring into long shackle hole in padlock body.
5. Insert shackle into padlock body.
6. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)
7. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.
8. Using a ¼" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

FIGURE 1



CYLINDER RETAINER ON CYLINDER PIN HOUSING

FIGURE 2

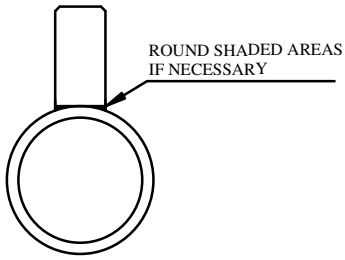
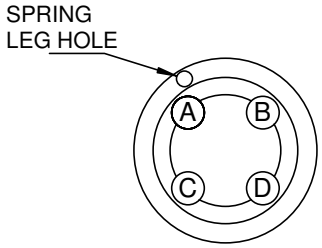


FIGURE 3



ROTATOR BOLT

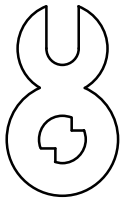
9. Orient the rotational stop for horizontal tailpiece as shown in Fig. 4, and place in cylinder bore, covering the rotator bolt. WARNING! Orient rotational stop correctly, installing incorrectly will lock-up padlock. Do not install the cylinder retaining screw until you have completely assembled and function tested padlock to confirm correct orientation.
10. Notice the tailpiece has a thick side and a thin side, see fig. 5. This allows the tailpiece to center in the offset female slot in the cylinder plug. In all installations, the thick side of the tailpiece goes toward the cylinder bible (pin housing).
11. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. Make sure the thick side is positioned toward the cylinder bible. Once the tailpiece is fully inserted in the padlock, close the padlock shackle, allowing the rotator spring to bring the rotator bolt to the locked position, which now holds the tailpiece in place.
12. Install the cylinder with retainer in place, into the padlock, turning the key slightly each direction to allow the slot in the cylinder plug to "find" the tailpiece.
13. Holding the padlock together, test for proper operation. Key should turn clockwise to unlock. After correct functioning is confirmed, unlock padlock and install the cylinder retaining screw in the short shackle hole and tighten.

For key retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C & D).
2. Follow steps 1, 2, 4, 5, & 6 above.
3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown if Fig. 6.
4. Install rotational stop as in step 9 above.
5. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. As padlock is unlocked, orient as shown in Fig. 7.
6. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into padlock body, wiggle the key as necessary to allow the slot in the cylinder plug to "find" the tailpiece.
7. Once cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten.
8. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 4
FOR HORIZONTAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 5

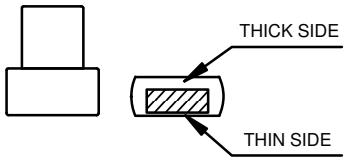


FIGURE 6

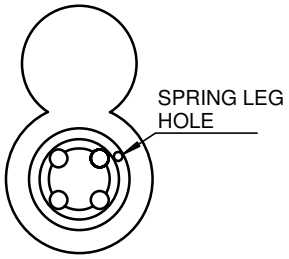
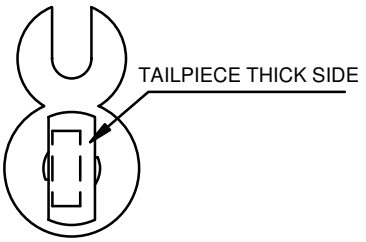


FIGURE 7



NEW STANDARD instructions for CORBIN-RUSSWIN heavy duty, key-in-knob cylinder, key retaining only padlock model numbers: 177-*** & 202-***.

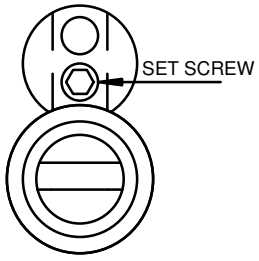
Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- cylinder retainer
- cylinder retainer set screw
- cylinder retaining screw
- cylinder tailpiece

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

1. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer set screw as shown in Fig. 1, (do not over tighten set screw and crush the last pin chamber!) Note: Some cylinders may have a squared area above plug face that must be rounded slightly to allow cylinder retainer to seat fully, file shaded areas shown in Fig. 2.
2. The CORBIN-RUSSWIN cylinder uses a horizontal tailpiece placed in the female slot in the rear of the cylinder plug.
3. Place shackle spring into long shackle hole in padlock body.
4. Insert shackle into padlock body.
5. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)
6. Orient the rotator bolt as shown in Fig. 3, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.
7. Orient the rotational stop for horizontal tailpiece as shown in Fig. 4, and place in cylinder bore, covering the rotator bolt.
8. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. As padlock is unlocked, orient as shown in Fig. 5.
9. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into padlock body, wiggle the key as necessary to allow the slot in the cylinder plug to "find" the tailpiece.
10. Once cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten.
11. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 1



CYLINDER RETAINER ON CYLINDER PIN HOUSING

FIGURE 2

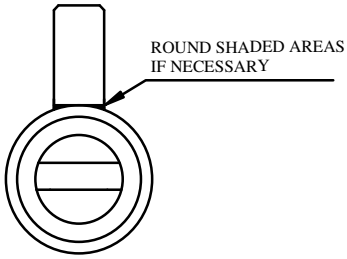
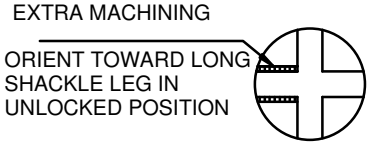


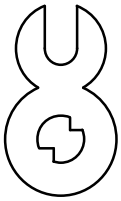
FIGURE 3



KEY RETAINING ROTATOR BOLT

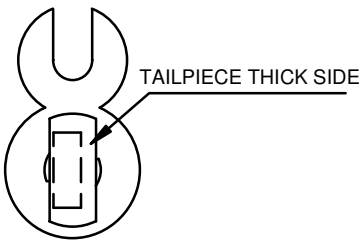
FIGURE 4

FOR HORIZONTAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 5



NEW STANDARD instructions for Yale heavy duty, key-in-knob cylinder, dual-function; key retaining, non-key retaining convertible padlock, model numbers: 378-*** & 403-***.

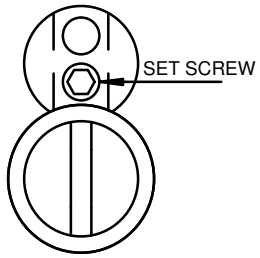
Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- Rotational stop
- cylinder retainer
- cylinder retainer set screw
- cylinder retaining screw
- cylinder tailpiece

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

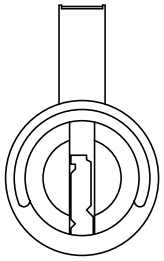
1. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer set screw as shown in Fig. 1, (do not over tighten set screw and crush the last pin chamber!)
2. The Yale cylinder uses a vertical tailpiece placed in the female slot in the rear of the cylinder plug, see Fig. 2.
3. Assemble the rotator bolt for vertical tailpiece see Fig. 3.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. Insert pins in holes B & C.
   C. Start pin in hole, tapered end first, use square end punch or vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   D. Place rotator spring over rotator bolt, making sure spring leg enters the spring hole
4. Place shackle spring into long shackle hole in padlock body.
5. Insert shackle into padlock body.
6. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)
7. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.
8. Using a ¼" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized
9. Orient the rotational stop for vertical tailpiece as shown in Fig. 4, and place in cylinder bore, covering the rotator bolt. WARNING! Orient rotational stop correctly, installing incorrectly will lock-up

FIGURE 1



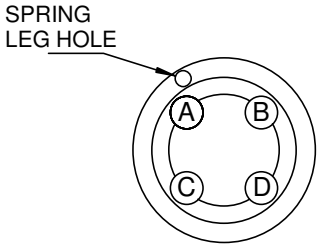
CYLINDER RETAINER ON CYLINDER PIN HOUSING

FIGURE 2



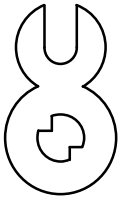
YALE HEAVY DUTY KEY IN KNOB CYLINDER, REAR VIEW

FIGURE 3



ROTATOR BOLT

FIGURE 4
FOR VERTICAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

padlock. Do not install the cylinder retaining screw until you have completely assembled and function tested padlock to confirm correct orientation.
10. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. Once the tailpiece is fully inserted in the padlock, close the padlock shackle, allowing the rotator spring to bring the rotator bolt to the locked position, which now holds the tailpiece in place.
11. Install the cylinder with retainer in place, into the padlock, turning the key slightly each direction to allow the slot in the cylinder plug to "find" the tailpiece.
12. Holding the padlock together, test for proper operation. Key should turn clockwise to unlock. After correct functioning is confirmed, unlock padlock and install the cylinder retaining screw in the short shackle hole and tighten.

FIGURE 5

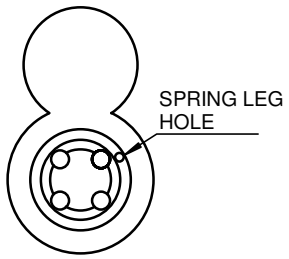
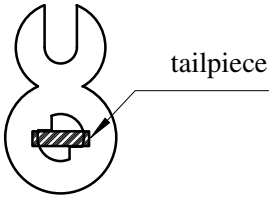


FIGURE 6



For key retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C & D).
2. Follow steps 1, 2, 4, 5, & 6 above.
3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown if Fig. 5.
4. Install rotational stop as in step 9 above.
5. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. As padlock is unlocked, orient as shown in Fig. 6.
6. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into padlock body, wiggle the key as necessary to allow the slot in the cylinder plug to "find" the tailpiece.
7. Once cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten.
8. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

NEW STANDARD instructions for Yale heavy duty, key-in-knob cylinder, key retaining only padlock model numbers: 178-*** & 203-***.

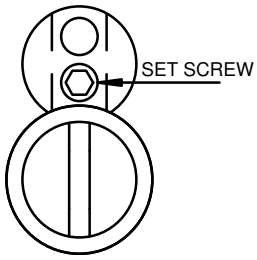
Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- cylinder retainer
- cylinder retainer set screw
- cylinder retaining screw
- cylinder tailpiece

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

1. Place cylinder retainer over cylinder pin housing (bible) and secure in place with retainer set screw as shown in Fig. 1, (do not over tighten set screw and crush the last pin chamber!)
2. The Yale cylinder uses a vertical tailpiece placed in the female slot in the rear of the cylinder plug, see Fig. 2.
3. Place shackle spring into long shackle hole in padlock body.
4. Insert shackle into padlock body.
5. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)
6. Orient the rotator bolt as shown in Fig. 3, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.
7. Orient the rotational stop for vertical tailpiece as shown in Fig. 4, and place in cylinder bore, covering the rotator bolt.
8. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. As padlock is unlocked, orient as shown in Fig. 5.
9. Insert key into cylinder and turn 90 degrees clockwise, insert cylinder/retainer assembly into padlock body, wiggle the key as necessary to allow the slot in the cylinder plug to "find" the tailpiece.
10. Once cylinder is in place, install the cylinder retaining screw through the short shackle hole and tighten.
11. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

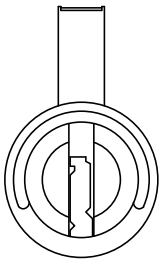
Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 1



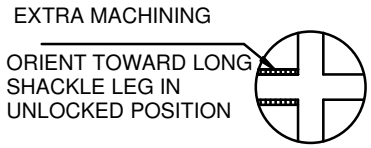
CYLINDER RETAINER ON CYLINDER PIN HOUSING

FIGURE 2



YALE HEAVY DUTY KEY IN KNOB CYLINDER, REAR VIEW

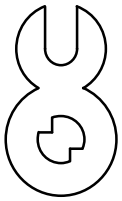
FIGURE 3



KEY RETAINING ROTATOR BOLT

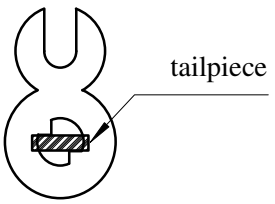
FIGURE 4

FOR VERTICAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 5



NEW STANDARD instructions for Small Format Interchangeable Core cylinder, dual-function; key retaining, non-key retaining convertible padlock model numbers: 385-***& 410-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- rotational stop
- rotational stop screw
- tailpiece for Small Format type IC cylinder.

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

FIGURE 1

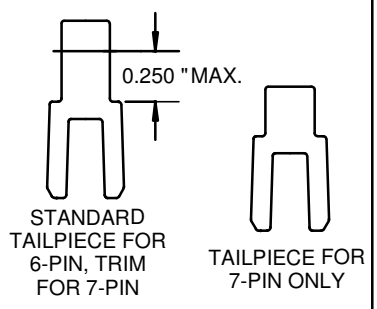
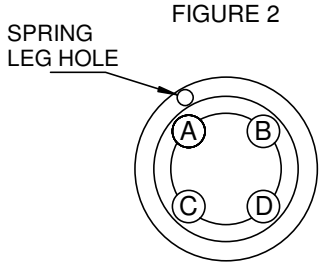


FIGURE 2



ROTATOR BOLT

For Non-Key retaining function:

1. For 6-pin cylinders, use standard tailpiece as furnished. For 7-pin cylinders, trim the standard tailpiece to length as shown in figure 1. If 7-pin only tailpiece was ordered, use as furnished.

2. Assemble rotator bolt for horizontal tailpiece , see figure 2.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. Insert pins in holes A & D.
   C. Start pin in hole, tapered end first, use square end punch or Vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   D. Place rotator spring over rotator bolt, making sure spring leg enters the spring hole.

3. Place shackle spring into long shackle hole in padlock body.

4. Insert shackle into padlock body.

5. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

6. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.

7. Using a 1/4" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

8. Orient the rotational stop as shown in fig. 3, and place in cylinder bore, covering the rotator bolt. WARNING! Orient rotational stop correctly. Correctly installed rotational stop will allow cylinder tailpiece to rotate CLOCKWISE! Install rotational stop retaining screw.

9. With tailpiece in place, install cylinder into the padlock, turning the control key slightly each direction to allow the tailpiece to enter the rotator bolt.

10. Test padlock for proper operation, key should turn clockwise to unlock.

NOTE: In NKR function, cylinder should always be installed or removed with padlock in the unlocked position.

For Key Retaining operation:

1. For 6-pin cylinders, use standard tailpiece as furnished. For 7-pin cylinders, trim the standard tailpiece to length as shown in figure 1. If 7-pin only tailpiece was ordered, use as furnished.

2. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C, & D) see fig. 2

2. Follow steps 3, 4, & 5, above.

3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown in figure 4.

4. Install rotational stop as in step 8 above.

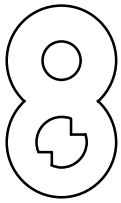
5. Hold the shackle in the locked position, and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

6. Install cylinder as in step 9 above.

7. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

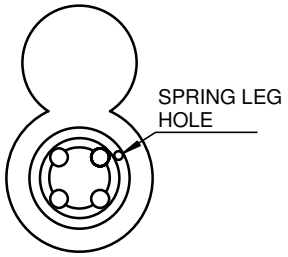
8. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 3
FOR HORIZONTAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 4



NEW STANDARD instructions for SMALL FORMAT interchangeable core cylinder, key retaining only padlocks, model numbers: 185-***& 210-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- rotational stop screw
- tailpiece for SMALL FORMAT IC cylinder

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

1. For 6-pin cylinders, use standard tailpiece as furnished. For 7-pin cylinders, trim the standard tailpiece to length as shown in figure 1. If 7-pin only tailpiece was ordered, use as furnished.

2. Place shackle spring into long shackle hole in padlock body.

3. Insert shackle into padlock body.

4. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (a bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

5. Orient the rotator bolt as shown in Fig. 2, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.

6. Orient the rotational stop as shown in fig. 3, and place in cylinder bore, covering the rotator bolt, install the rotational stop retaining screw.

7. Hold the shackle in the locked position and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

8. With tailpiece in place, install cylinder into padlock, turning the control key slightly each direction to allow the tailpiece to enter rotator bolt.

9. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

10. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt areaand dry graphite in the lock cylinder.

FIGURE 1

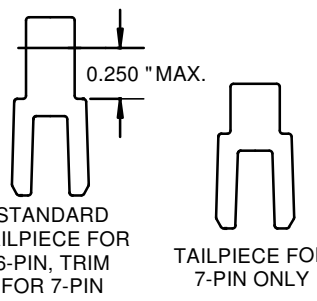
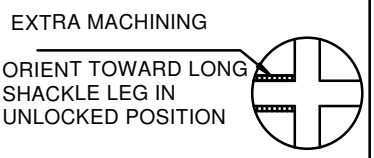


FIGURE 2

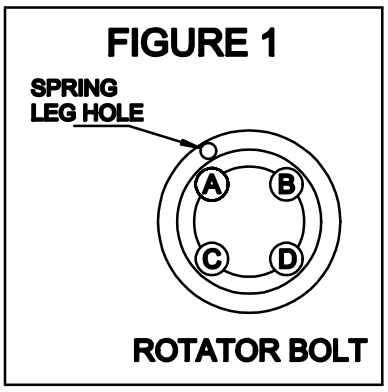


KEY RETAINING ROTATOR BOLT

FIGURE 3
FOR HORIZONTAL TAILPIECE

ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

NEW STANDARD instructions for Corbin-Russwin Interchangeable Core cylinder, dual-function; key retaining, non-key retaining convertible padlock model numbers: 386-***, 387-***, 411-*** & 412-***.



Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- rotational stop
- rotational stop screw
- tailpiece for Corbin-Russwin IC cylinder.

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Assemble rotator bolt for horizontal tailpiece, see figure 1.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. Insert pins in holes A & D.
   C. Start pin in hole, tapered end first, use square end punch or vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   D. Place rotator spring over rotator bolt, making sure spring leg enters the spring leg hole.

2. Place shackle spring into long shackle hole in padlock body.

3. Insert shackle into padlock body.

4. While holding the shackle in the LOCKED position, install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

5. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.

6. Using a 1/4" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

7. Orient the rotational stop as shown in fig. 2, and place in cylinder bore, covering the rotator bolt. WARNING! Orient rotational stop correctly. Correctly installed rotational stop will allow cylinder tailpiece to rotate CLOCKWISE! Install rotational stop retaining screw.

8. We have found variations in plug rear hole spacing that prevents tailpiece from seating completely. It may be necessary to bevel holes to allow proper tailpiece seating. Use chamfering tool or twist drill. See figure 3.

9. With tailpiece in place, install cylinder into the padlock, turning the control key slightly each direction to allow the tailpiece to enter the rotator bolt.

10. Test padlock for proper operation, key should turn clockwise to unlock.

NOTE: In NKR function, cylinder should always be installed or removed with padlock in the unlocked position.

For Key Retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C, & D) see fig. 1

2. Follow steps 2, 3, & 4, above.

3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown in figure 4.

4. Install rotational stop as in step 7 above.

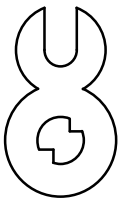
5. Hold the shackle in the locked position, and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

6. Install cylinder as in step 9 above.

7. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

8. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 2
FOR HORIZONTAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 3

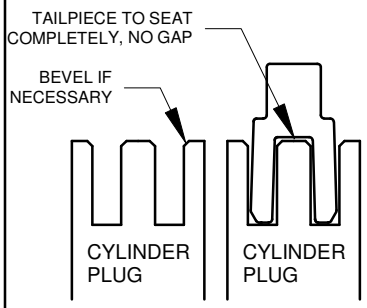
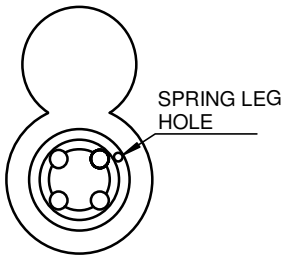


FIGURE 4



NEW STANDARD instructions for CORBIN-RUSSWIN interchangeable core cylinder, key retaining only padlocks, model numbers: 186-***, 187-***, 211-*** & 212-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- rotational stop screw
- tailpiece for CORBIN-RUSSWIN IC cylinder

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

1. Place shackle spring into long shackle hole in padlock body.

2. Insert shackle into padlock body.

3. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (a bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

4. Orient the rotator bolt as shown in Fig. 1, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.

6. Orient the rotational stop as shown in fig. 2, and place in cylinder bore, covering the rotator bolt, install the rotational stop retaining screw.

7. Hold the shackle in the locked position and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

8. We have found variations in plug rear hole spacing that prevents tailpiece from seating completely. It may be necessary to bevel holes to allow proper tailpiece seating. Use chamfering tool or twist drill. See figure 3.

9. With tailpiece in place, install cylinder into padlock, turning the control key slightly each direction to allow the tailpiece to enter rotator bolt.

10. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

11. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 1

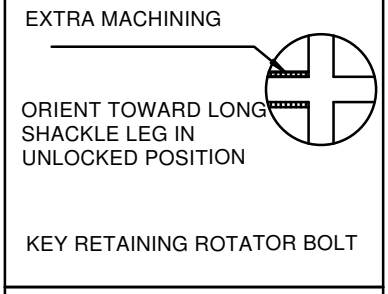
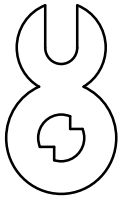


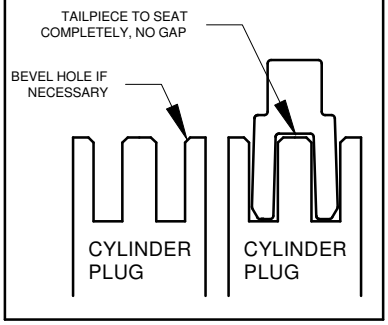
FIGURE 2

FOR HORIZONTAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 3



NEW STANDARD instructions for SARGENT Interchangeable Core cylinder, dual-function; key retaining, non-key retaining convertible padlock model numbers: 388-***& 413-***.

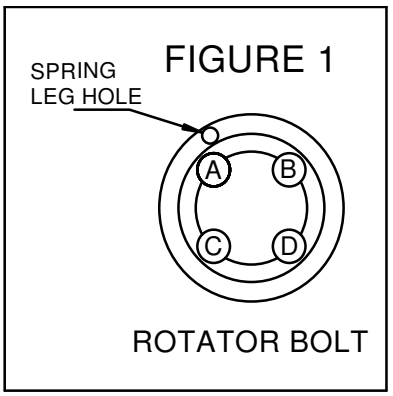


FIGURE 1

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- rotational stop
- rotational stop screw
- tailpiece for SARGENT IC cylinder.

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Assemble rotator bolt for horizontal tailpiece, see figure 1.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. Insert pins in holes A & D.
   C. Start pin in hole, tapered end first, use square end punch or vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   D. Place rotator torsion spring over rotator bolt, making sure spring Leg enters the spring hole.

2. Place shackle spring into long shackle hole in padlock body.

3. Insert shackle into padlock body.

4. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

5. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.

6. Using a 1/4" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

7. Orient the rotational stop and place in cylinder bore, covering the rotator bolt as shown in figure 2. WARNING! Orient rotational stop correctly. Correctly installed rotational stop will allow cylinder tailpiece to rotate CLOCKWISE! Push the upper portion of the rotational stop to the left to position it in the recess at the bottom of the bore. Place the stop screw in the threaded hole and tighten to hold the rotational stop in position.

8. With tailpiece in place, install cylinder into the padlock, turning the control key slightly each direction to allow the tailpiece to enter the rotator bolt.

9. Test padlock for proper operation, key should turn clockwise to unlock.

NOTE: In NKR function, cylinder should always be installed or removed with padlock in the unlocked position.

For Key Retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C, & D) see fig. 1

2. Follow steps 2, 3, & 4, above.

3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown in figure 3.

4. Install rotational stop as in step 7 above.

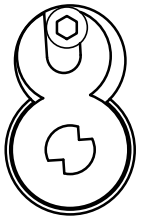
5. Hold the shackle in the locked position, and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

6. Install cylinder as in step 8 above.

7. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

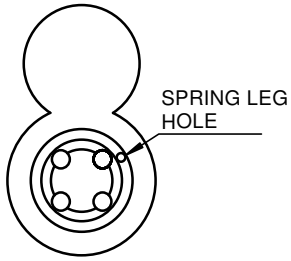
8. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 2



ROTATIONAL STOP POSITIONED IN CYLINDER BORE WITH SCREW INSTALLED

FIGURE 3



NEW STANDARD instructions for SARGENT interchangeable core cylinder, key retaining only padlocks, model numbers: 188-*** & 213-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- rotational stop screw
- tailpiece for SARGENT IC cylinder

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

1. Place shackle spring into long shackle hole in padlock body.

2. Insert shackle into padlock body.

3. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (a bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

4. Orient the rotator bolt as shown in Fig. 1, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.

5. Orient the rotational stop and place in cylinder bore, covering the rotator bolt as shown in figure 2. WARNING! Orient rotational stop correctly. Correctly installed rotational stop will allow cylinder tailpiece to rotate CLOCKWISE! Push the upper portion of the rotational stop to the left to position it in the recess at the bottom of the bore. Place the stop screw in the threaded hole and tighten to hold the rotational stop in position.

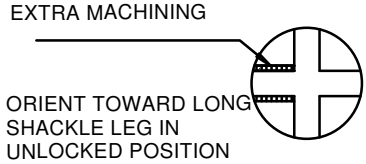
6. Hold the shackle in the locked position and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

7. With tailpiece in place, install cylinder into padlock, turning the control key slightly each direction to allow the tailpiece to enter rotator bolt.

8. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

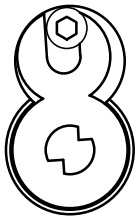
9. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 1



KEY RETAINING ROTATOR BOLT

FIGURE 2



ROTATIONAL STOP POSITIONED IN CYLINDER BORE WITH SCREW INSTALLED

NEW STANDARD instructions for Schlage Large Format Interchangeable Core cylinder, dual-function; key retaining, non-key retaining convertible padlock model numbers: 389-***& 414-***

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- rotational stop
- rotational stop screw
- tailpiece for Schlage Large Format IC cylinder

If purchased as “padlock body, complete, less shackle,” with shackles supplied separately, it may be necessary to slightly “TRUE” the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Note the location of the plug nut pin on the rear of the Schlage I. C. cylinder, see figure 1. For standard keying systems, the pin is located at the ten o’clock position. When the New Standard tailpiece is installed on this type of cylinder, it becomes a horizontal tailpiece. For Primus high security keying systems, the pin is located at the two o’clock position. When the tailpiece is installed on the Primus cylinder, it becomes a vertical tailpiece. Install the tailpiece on the Schlage IC cylinder. Align the gap between the ends of the wire ring with the pin groove of the tail piece. See figure 2. Push the tail piece into the rear of the cylinder plug until the wire ring “snaps” into place. Rocking the tailpiece while pushing may help compress the wire ring.

2. Assemble rotator bolt for correct tailpiece type, see figure 3.
   A. Position rotator bolt with spring leg hole at eleven o’clock.
   B. For horizontal tailpiece, insert pins in holes A & D.
   C. For vertical tailpiece, insert pins in holes B & C.
   D. Start pin in hole, tapered end first, use square end punch or vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   E. Place rotator torsion spring over rotator bolt, making sure spring leg enters the spring hole.

3. Place shackle spring into long shackle hole in padlock body.

4. Insert shackle into padlock body.

5. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

FIGURE 1

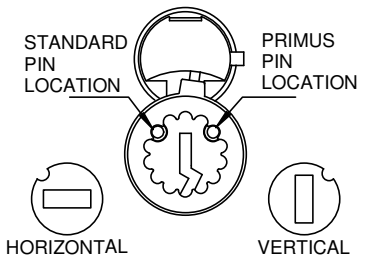


FIGURE 2

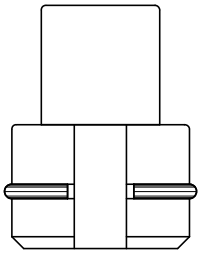
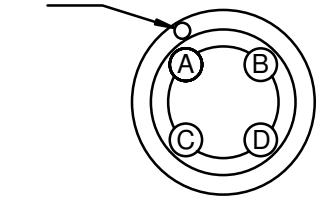


FIGURE 3



ROTATOR BOLT

6. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.

7. Using a ¼" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

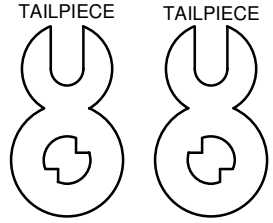
8. Orient the rotational stop for the appropriate tailpiece as shown in figure 4, and place in cylinder bore, covering the rotator bolt. WARNING! Orient rotational stop correctly. Correctly installed Rotational stop will allow cylinder tailpiece to rotate CLOCKWISE! Install rotational stop retaining screw.

9. Install cylinder into the padlock, turning the control key slightly each direction to allow the tailpiece to enter the rotator bolt.

10. Test padlock for proper operation, key should turn clockwise to unlock.

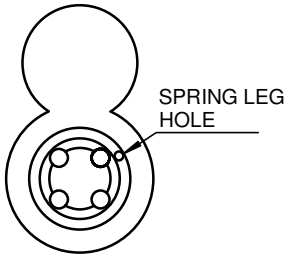
NOTE: In NKR function, cylinder should always be installed or Removed with padlock in the unlocked position.

FIGURE 4



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 5



For key retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C, & D).

2. Follow steps 1, 3, 4, & 5 above.

3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator's spring leg hole should be at the 2 o'clock position as shown in figure 5.

4. Install rotational stop as in step 8 above.

5. Hold the shackle in the locked position, and using a ¼" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

6. Install cylinder as in step 9 above.

7. Function test padlock for proper operation, padlock whould unlock when key is turned clockwise.

8. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

NEW STANDARD instructions for Schlage Large Format interchangeable core cylinder, key retaining only padlocks, model numbers: 189-***& 214-***

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- key retaining rotator bolt
- rotational stop
- rotational stop screw
- tailpiece for Schalge Large Format IC cylinder

If purchased as “padlock body, complete, less shackle,” with shackles supplied separately, it may be necessary to slightly “TRUE” the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Note the location of the plug nut pin on the rear of the Schlage I. C. cylinder, see figure 1. For standard keying systems, the pin is located at the ten o’clock position. When the New Standard tailpiece is installed on this type of cylinder, it becomes a horizontal tailpiece. For Primus high security keying systems, the pin is located at the two o’clock position. When the tailpiece is installed on the Primus cylinder, it becomes a vertical tailpiece. Install the tailpiece on the Schlage IC cylinder. Align the gap between the ends of the wire ring with the pin groove of the tail piece. See figure 2. Push the tail piece into the rear of the cylinder plug until the wire ring “snaps” into place. Rocking the tailpiece while pushing may help compress the wire ring.
2. Place shackle spring into long shackle hole in padlock body.
3. Insert shackle into padlock body.
4. While holding the shackle in the LOCKED position, INSTALL the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)
5. Orient the rotator bolt as shown in Fig. 3, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.
6. Orient the rotational stop for the appropriate tailpiece as shown in fig. 4, and place in cylinder bore, covering the rotator bolt. Install the rotational stop retaining screw.
7. Hold the shackle in the locked position and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.
8. Install cylinder into padlock, turning the control key slightly each direction to allow the tailpiece to enter rotator bolt.
9. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.
10. Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

FIGURE 1

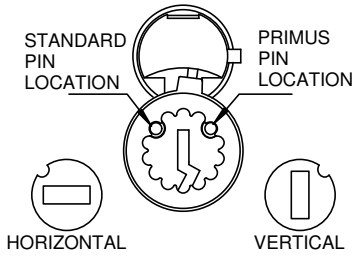


FIGURE 2

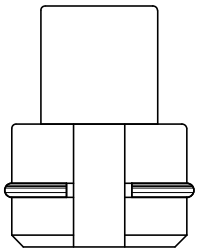
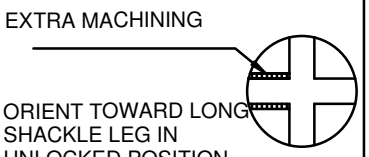
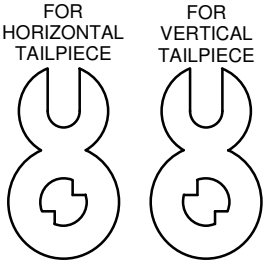


FIGURE 3



KEY RETAINING ROTATOR BOLT

FIGURE 4



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

NEW STANDARD instructions for MEDECO Interchangeable Core cylinder, dual-function; key retaining, non-key retaining convertible padlock model number: 415-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotator torsion spring
- rotator pins, 4 ea.
- rotational stop
- rotational stop screw
- tailpiece for MEDECO IC cylinder.

If purchased as "padlock body, complete, less shackle," with shackles supplied separately, it may be necessary to slightly "TRUE" the shackle for proper fit in the padlock body before assembly.

For Non-Key retaining function:

1. Assemble rotator bolt for horizontal tailpiece , see figure 1.
   A. Position rotator bolt with spring leg hole at eleven o'clock.
   B. Insert pins in holes A & D.
   C. Start pin in hole, tapered end first, use square end punch or Vise to fully seat pin until square end is flush with rotator end. Do not allow pin to tip while being seated.
   D. Place rotator spring over rotator bolt, making sure spring leg enters the spring hole.

2. Place shackle spring into long shackle hole in padlock body.

3. Insert shackle into padlock body.

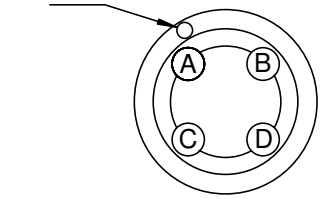
4. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

5. With shackle still held in the locked position, use tweezers to install rotator bolt and spring as an assembly, making sure spring loop enters the recess in the padlock body.

6. Using a 1/4" flat screwdriver, turn rotator bolt clockwise toward the unlocked position, the shackle should pop open, and rotator spring is now energized.

7. Orient the rotational stop for horizontal tailpiece as shown in fig. 2, and place in cylinder bore, covering the rotator bolt. WARNING! Orient rotational stop correctly. Correctly installed rotational stop will allow cylinder tailpiece to rotate CLOCKWISE! Install rotational stop retaining screw.

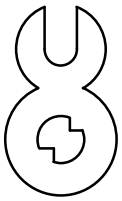
FIGURE 1



ROTATOR BOLT

FIGURE 2

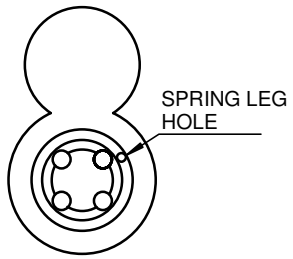
FOR HORIZONTAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

8. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. Once the tailpiece is fully inserted in the padlock, close the padlock shackle, allowing the rotator spring to bring the rotator bolt to the locked position, which now holds the tailpiece in place.
9. Install the cylinder into the padlock, turning the key slightly each direction to allow the slot in the cylinder plug to “find” the tailpiece.
10. Test the padlock for proper operation. Key should turn clockwise to unlock.

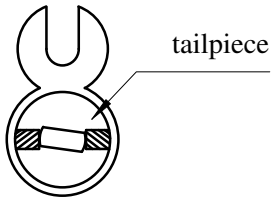
FIGURE 3



For key retaining operation:

1. Press rotator pins into all 4 holes in rotator bolt (holes A, B, C & D).
2. Follow steps 2, 3, & 4, above.
3. Install rotator bolt into padlock, without rotator spring. With padlock in the unlocked position, the rotator’s spring leg hole should be at the 2 o’clock position as shown if Fig. 3.
4. Install rotational stop as in step 7 above.
5. Lock the padlock by holding the shackle in the locked position and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.
6. Using tweezers, install tailpiece in padlock, through the rotational stop, into the rotator bolt. As padlock is locked, orient as shown in Fig. 4.
7. Insert cylinder into padlock body, wiggle the key as necessary to allow the slot in the cylinder plug to “find” the tailpiece.
8. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

FIGURE 4



Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

NEW STANDARD instructions for MEDECO, interchangeable core, key retaining only padlock, model number: 215-***.

Parts list:
- padlock body
- shackle spring
- padlock shackle
- locking balls, 2 ea.
- rotator bolt
- rotational stop
- rotational stop screw
- tailpiece for Medeco IC cylinder

If purchased as “padlock body, complete, less shackle,” with shackles supplied separately, it may be necessary to slightly “TRUE” the shackle for proper fit in the padlock body before assembly.

1. Place shackle spring into long shackle hole in padlock body.

2. Insert shackle into padlock body.

3. While holding the shackle in the LOCKED position, Install the 2 locking balls, push them fully OUTWARD into the shackle locking recesses. (A bit of assembly grease will help keep the balls in position while installing the rotator bolt.)

4. Orient the rotator bolt as shown in Fig. 1, and install between the locking balls. Once the rotator bolt is fully in place, the shackle can be released to the unlocked position.

6. Orient the rotational stop for horizontal tailpiece as shown in fig. 2, and place in cylinder bore, covering the rotator bolt, install the rotational stop retaining screw.

7. Lock the padlock by holding the shackle in the locked position and using a 1/4" flat screwdriver, turn rotator bolt counter-clockwise to the locked position.

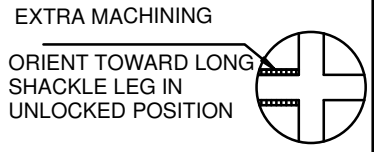
8. Using tweezers, install tailpiece in padlock, through rotational stop, into the rotator bolt. As padlock is locked, orient as shown in Fig. 3.

9. Insert cylinder into padlock body, wiggle the key as necessary to allow the slot in the cylinder plug to “find” the tailpiece.

11. Function test padlock for proper operation, padlock should unlock when key is turned clockwise.

Lubricate padlock as appropriate for local conditions. Suggested lubrication is light grease in the shackle, ball & rotator bolt area and dry graphite in the lock cylinder.

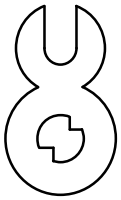
FIGURE 1



KEY RETAINING ROTATOR BOLT

FIGURE 2

FOR HORIZONTAL TAILPIECE



ROTATIONAL STOP ORIENTATION
WARNING ! ORIENT CORRECTLY
SEE INSTRUCTIONS

FIGURE 3