

Simplex Digital Lock

Simplex 3000 Drive Assembly - Instructions

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Package Contents:

- 1 x drive assembly
- 1 x cam plug
- 1 x cardboard template
- 1 x cam plug cover ($\frac{31}{32}$ " backset only)
- 2 x mounting screws 10-24 thd x $1\frac{1}{2}$ "
- 2 x threaded sex nuts
- 2 x mounting bushings

Tools Required For Installation

- tape
- electric drill (variable speed recommended)
- small flat head screwdriver
- medium flat head screwdriver
- large phillips head screwdriver
- center punch
- ($\frac{31}{32}$ ") drill bit
- ($\frac{3}{8}$ ") drill bit
- ($\frac{7}{8}$ ") hole saw
- ($\frac{1}{8}$ ") drill bit
- ($\frac{1}{4}$ ") drill bit
- hammer
- deburring tool
- safety goggles

Warnings & Cautions

Important: Carefully inspect windows, doorframe, door, etc. to ensure that the recommended procedures will not cause any damage. Warranty does not cover damages caused by installation.

Caution: Wear safety glasses when preparing door.

Read all instructions before starting installation

Installation

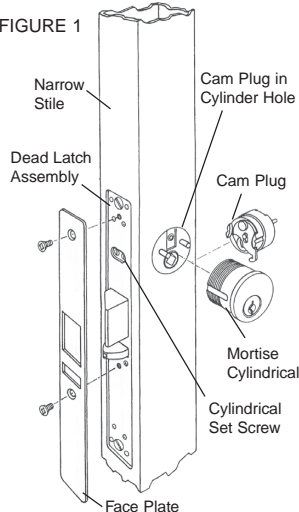
A HARDWARE DISASSEMBLY

A-1 Remove face plate from edge of door exposing the cylinder set screws (See Figure 1).

A-2 Loosen the cylinder set screw (securing key cylinder to latch) and remove the cylinder from the dead latch assembly (See Figure 1).

A-3 With the exception of the dead latch assembly, remove all other hardware from door: knob, handle, etc (See Figure 1).

FIGURE 1



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CAM PLUG HANDLING

- A-4** Determine the required handing of cam disc on cam plug (**See Figure 2**). Looking at the edge of the door, determine on which side the lock is to be installed.

If the cam disc handing needs to be changed, proceed with steps A to D.

If not, proceed to Section B-1.

A. Remove the retainer clip from the pivot pin.

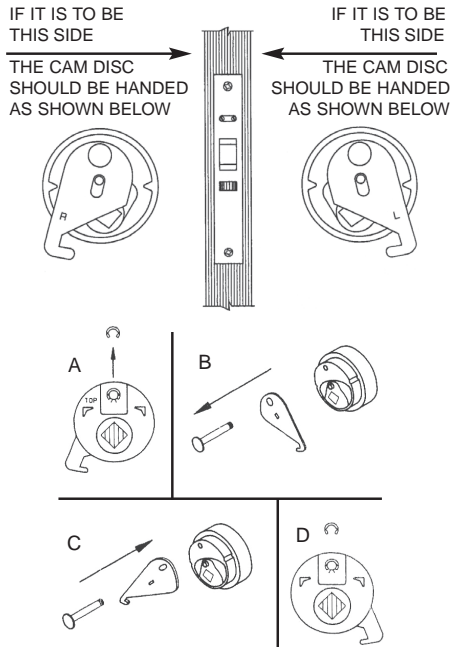
B. Pull the cam pivot pin out of the disc.

Note: Do not remove the driver piece.

C. Turn the cam over and push the cam pivot pin through the cam and into the disc.

D. Reinstall the retainer clip onto the cam pivot pin.

FIGURE 2



B STILE PREPARATION FOR COMBINATION SIDE OF DOOR

- B-1** Install cam plug to the dead latch. Snug tighten the cylinder set screw. See Section D-1 for final screw adjustment (**See Figure 1**).

- B-2** Position the cardboard template (locate on cam plug pins) as shown (**See Figure 3**). Align template such that it is parallel to the stile of the door.

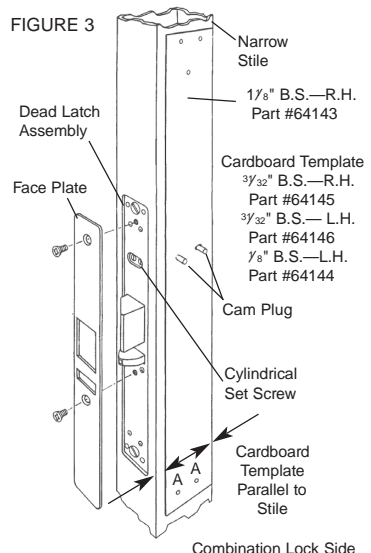
Note: It may be necessary to further loosen the cylinder set screw referred to in Section A-2 allowing movement of the template. Secure template to the stile using tape.

- B-3** Center punch templates holes marked A, B and C (**See Figure 3**).

- B-4** Carefully remove cardboard template (to be used again in Section C-1). Drill pilot holes marked A, B and C using a .094 ($\frac{3}{32}$ ") diameter drill bit (**See Figure 4**).

Note: Drill through lock side of door only. (Wear safety goggles when drilling).

FIGURE 3



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C STILE PREPARATION OF TRIM PLATE SIDE OF DOOR

(Trim plate assembly is included in lock housing box marked 3001 or 3002).

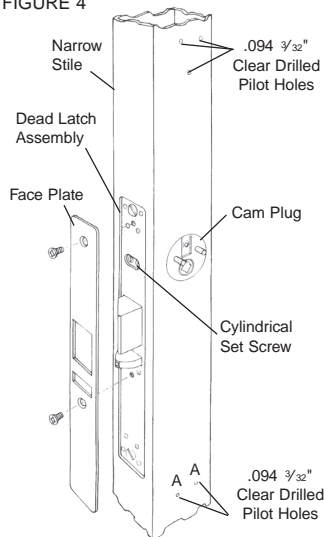
- C-1** Secure cam plug to the trim plate side of the dead latch assembly.

Note: Installation of this cam plug will require the opposite handing as used on the combination lock side of the door. In the event opposite handing is required, reverse cams as detailed in Section A.

- C-2** Align and center punch holes using the cardboard template as done in Sections B-2 and B-3 on the combination lock side. Position the cardboard template as shown (See Figure 5). (Make sure the inside trimplate imprint of template is exposed.) Center punch A, B and C holes. If obstructing hardware exist, cut cardboard template to allow for flush seating against stile.

- C-3** Remove cardboard template. Drill pilot holes marked A, B and C using a .094 ($\frac{3}{32}$ ") diameter drill bit (See Figure 6).

FIGURE 4



Combination Lock Side

D DRILL LOCK AND TRIM PLATE MOUNTING HOLES

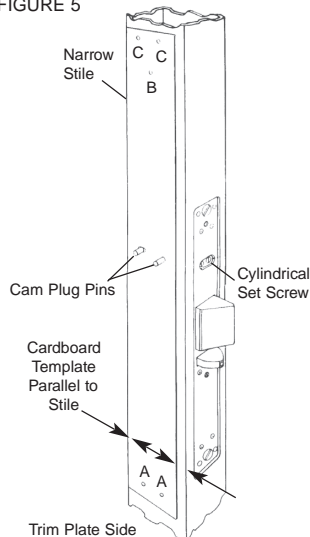
- D-1** Remove cam plug(s) and dead latch assembly from door (See Figure 7). (This will prevent chips from entering the latch.)

- D-2** You are now ready to enlarge pilot holes marked A, B and C on both sides of stile. Enlarge holes to sizes as follows: (See Figure 7). Enlarge 2, holes marked A and 2 holes marked C to a .375 diameter ($\frac{3}{8}$ ") drill bit (See Figure 5 & 6). Enlarge 1 hole marked B (See Figure 5 & 6) to a .875 ($\frac{7}{8}$ ") drill bit. Make sure that all holes are deburred prior to hardware assembly.

E HARDWARE ASSEMBLY

- E-1** Re-install dead latch assembly. Re-install cam plug or plugs (Do not tighten cylinder set screw) (See Figure 1).
- E-2** Locate the drive assembly on lock side of door over the pins on the cam plug. Secure lower portion of drive assembly using two threaded sex bolts, two mounting bushings and two 10-24 thd. x $1\frac{3}{4}$ " (See Figure 8). Tighten the cylinder set screw. Make sure the drive moves freely up and down when holding latch depressed. Drive should return freely to original position without the help of the latch spring.

FIGURE 5



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FIGURE 6

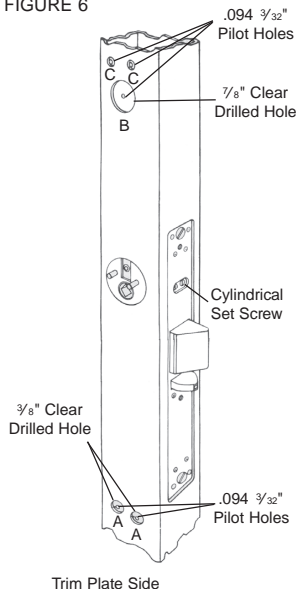


FIGURE 7

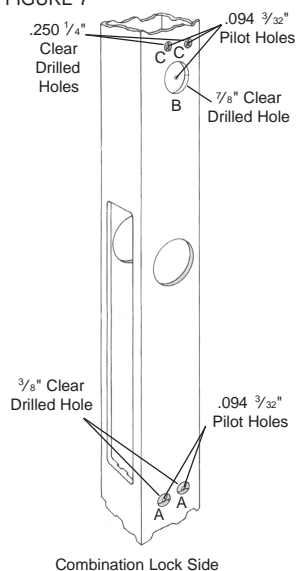


FIGURE 8

As shown on each Drive Assembly

- $\frac{3}{16}$ " B.S.—L.H. Drive Assembly Part #74422
- $\frac{3}{16}$ " B.S.—R.H. Drive Assembly Part #74420
- $\frac{1}{8}$ " B.S.—L.H. Drive Assembly Part #74418
- $\frac{1}{8}$ " B.S.—R.H. Drive Assembly Part #74416

