

Visulite® & Visuline® Illuminated & Non-Illuminated Directories

APCO Concealed Lock Installation

The following instructions are for retrofitting a New APCO Concealed Lock into an installed Visulite or Visuline display. The operation includes fastening a Lock Assembly into the door frame then cutting a slot into the cabinet housing to accept the latch.

Step 1 - All electrical powered displays must first be disconnected at the circuit breaker.

Step 2 - Secure door in an open position.

Step 3 - Identify the existing door shape from Fig. 1 or Fig. 2.

The profiles in Fig. 1 contain an open channel design which readily accepts the new lock assembly. If existing door shape is shown in Fig. 1, then proceed to Step 4. NOTE: Prior to February, 1996, AccentTrack had a partially enclosed channel as described in next paragraph.

The profiles in Fig. 2 contain two small "returns" which partially enclose the channel. Door(s) matching these shapes must be disassembled from directory housing so the "returns" can be properly removed. Proceed to Step 9 for "Door Removal."

Installing Latch Onto Door

Step 4 - Locate new Lock Assembly into channel on backside of door frame. NOTE: A single Lock Assembly can be used for display cabinets whose hinge side is less than 52". Units greater than 52" may require two locks positioned at 1/3rd increments across cabinet.

LATCH ORIENTATION:

Latch Mechanism must always be positioned toward outer edge of door frame. (See Fig. 3)

- a) Left hinged doors: latch slides up then down to lock.
- b) Right hinged doors: latch slides down then up to lock.
- c) Top hinged doors: latch slides right then left to lock.

Step 5 - Using Lock Assembly as a guide, transfer mounting screw locations onto the door frame using a metal punch. Fasteners should be centered within each slot.

Step 6 - Drill through backside of door at locations marked using a #36 drill bit (provided). IMPORTANT: Do not allow drill bit to protrude through door face.

Step 7 - Using a #6-32 machine tap (provided in kit), carefully thread both holes.

Step 8 - Using a 5/64" hex wrench and button head screws provided, mechanically fasten Lock Assembly to door. This completes the required door modifications. Continue to Step 15 for "Cutting Slot Into Cabinet."

Door Removal

Step 9 - If door requires removal, a #30 drill bit is provided. Carefully drill through existing rivets on side where hinge is attached to cabinet. Do not remove end rivets at this point.

IMPORTANT: When drilling into electrical powered displays, remove internal electrical raceway covers along hinge side to assure you avoid contact with all electrical components.

Step 10 - Have additional person(s) securely hold door while the last two rivets are drilled out. Door should release easily, but may require a slight pull to fully remove all rivets.

Step 11 - After removing hinge, use a file to smooth down any burrs that may be left on the cabinet face.

Parts List	Qty. Per Lock
APCO Key	1
APCO Lock Assembly	1
#36 Drill Bit (.1065" diameter)	1
#6-32 Machine Tap (tap handle not included)	1
#6-32 Button Head Screws.....	2 (Min)
5/64" Hex Wrench	1

Additional items for door styles shown in Fig.2	
#30 Drill Bit (.1285" diameter)	1
1/8" Stainless Steel Rivets	50

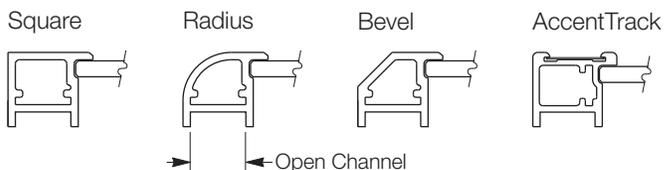


Fig. 1

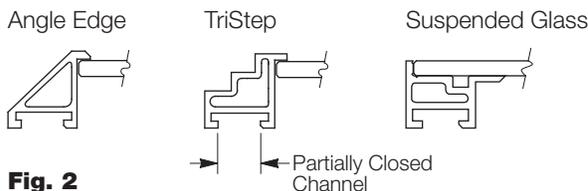


Fig. 2

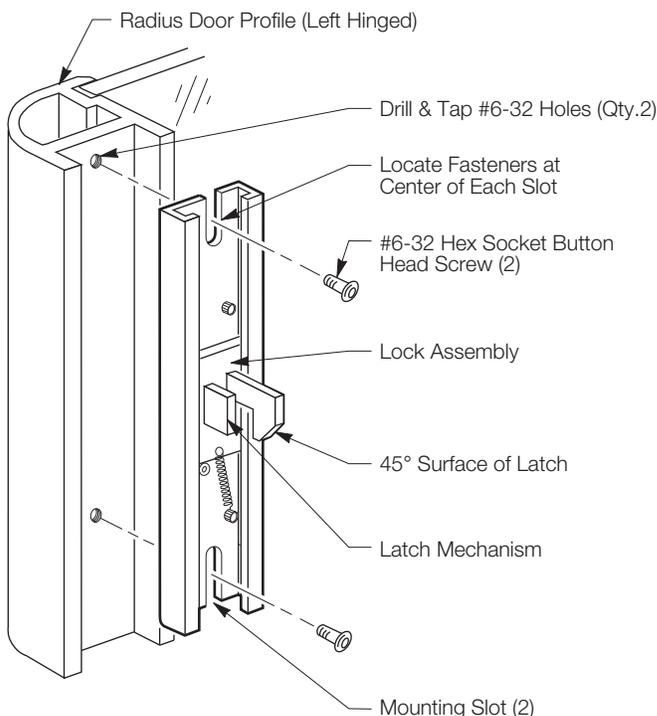


Fig. 3

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Modifying Door

Step 12 - Protect door finish by covering with a high quality, low-tack masking tape. Two or more layers are recommended.

Step 13 - Centrally locate and mark a 5" long area on backside of door frame, opposite the hinge side. (See Fig. 4) NOTE: A single Lock Assembly can be used for display cabinets whose hinge side is less than 52". Units greater than 52" may require two locks positioned at 1/3rd increments across cabinet, requiring two 5" areas.

Step 14 - Machine-mill to remove both door profile "returns" within the 5" area. (See Fig. 4) NOTE: This process should be performed by qualified person(s).

Step 15 - Realign door hinge with existing holes. Begin at the center and secure each location with rivets provided. Continue by returning to Step 4.

Cutting Slot Into Cabinet

Step 16 - Gently close door and mark cabinet at point where 45 degree surface of latch contacts cabinet face. (See Fig. 5) In a semi or full recessed application where latch visibility is difficult, chalk can be used to mark cabinet. Re-open and support door as necessary.

Step 17 - Mark a parallel line through latch location, 5/8" from edge of cabinet. Using this as the centerline and the mark made in Step 16 as the base, draw a 5/8" long x 1/4" wide slot on the cabinet. IMPORTANT: Direct the slot toward the area where the flat portion of the latch contacts the cabinet. (See Fig. 5)

Step 18 - Use a 1/4" diameter drill bit (not provided) and drill through cabinet at each end of slot. Do not drill beyond the first mark made in Step 16. (See Fig. 5)

IMPORTANT: When drilling into electrical powered displays, remove internal electrical raceway covers along latch side to assure you avoid contact with all electrical components.

Step 18 - Use a metal file (not provided) and square the slot at the end marked in Step 16.

Step 19 - A 45 degree slope must be filed into the squared end of the slot as a "lead-in" for the latch. File the lead-in but do not increase the slot size. (See Fig. 6)

Step 20 - Close door gently. Latch should engage once spring-loaded portion of Lock Assembly contacts the 45 degree lead-in. If latch does not engage fully, loosen latch retaining screws and reposition assembly as required.

Lock Operation

To open a left hinged door, insert key under latch mechanism, into space between door frame and directory cabinet. Lift to disengage and pull door firmly until corners release. Latch will re-engage upon closing.

Should you have any questions or need for assistance, call (404) 688-9000.

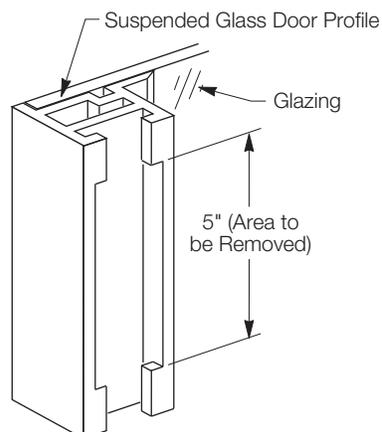


Fig. 4

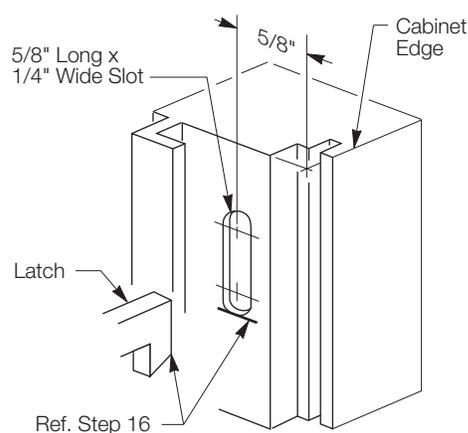


Fig. 5

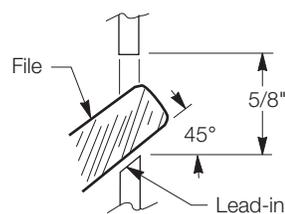


Fig. 6 **SIDE SECTION**

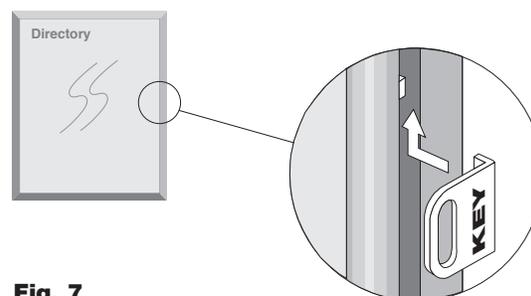


Fig. 7