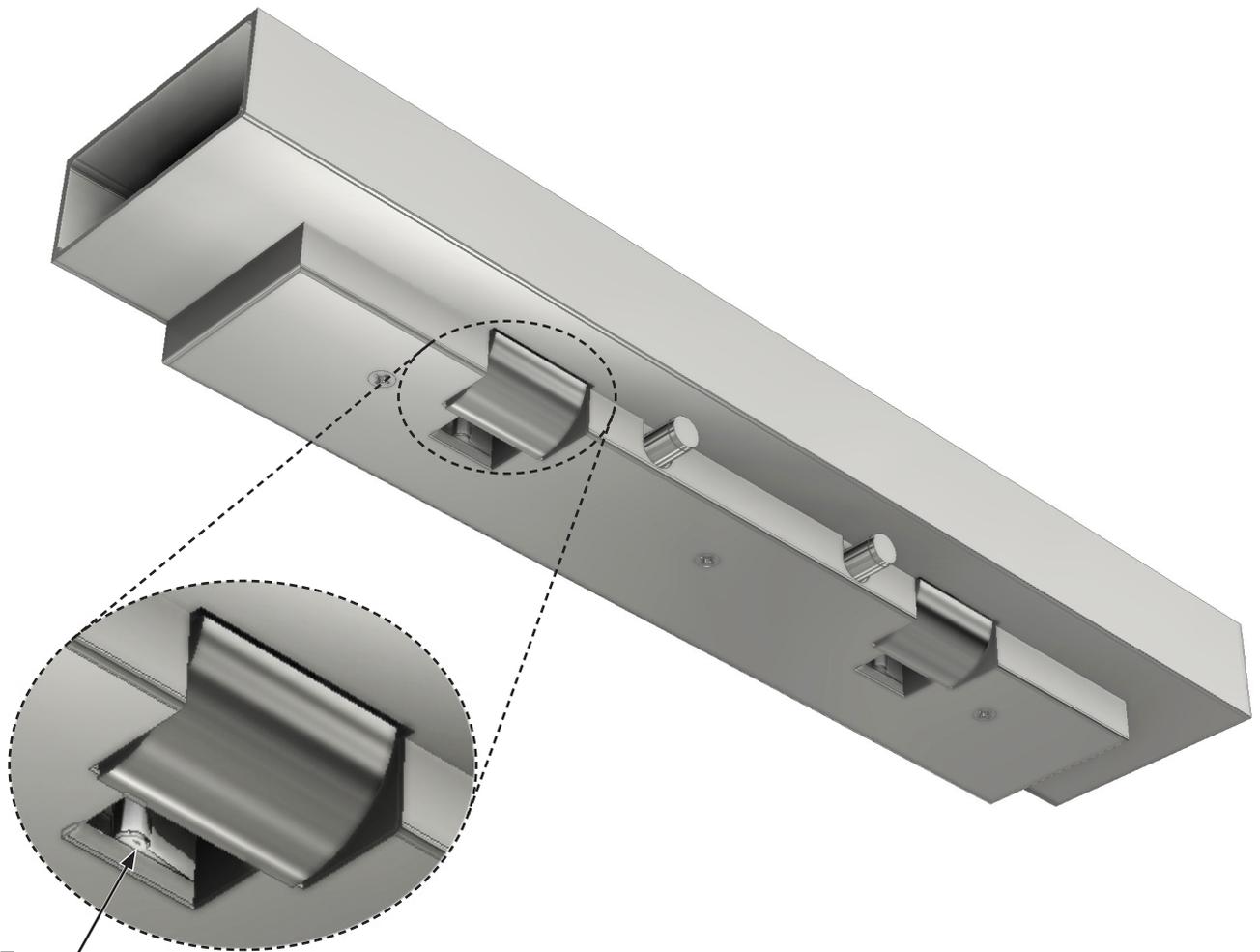


INSTALLATION INSTRUCTIONS

CRL ESK2/ESP2 ELECTRIC STRIKE KEEPER FOR DOUBLE DOORS



NOTE:
Sensor feature
available on ESP
Strikes only.



Phone: (800) 421-6144 • Fax: (800) 587-7501
crlaurence.com • usalum.com • crl-arch.com

ORDER OF ASSEMBLY AND INSTALLATION

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The rapidly changing technology within the architectural aluminum products industry demands that C.R. Laurence/U.S. Aluminum reserve the right to revise, discontinue, or change any product line, specification, or electronic media without prior written notice.

NOTE: Dimensions in parentheses () are millimeters unless otherwise noted.

INTRODUCTION

ESK2/ESP2 ELECTRIC STRIKE KEEPER

FEATURES

- Designed for use with 1/2" or 3/4" (12 or 19 mm) tempered glass doors.
- Used in conjunction with CRL glass door Panic and Deadbolt Handles.
- Fail secure. (Fail safe optional)
- Latch/Deadbolt Monitor (ESP Strikes only).

This Electric Strike Keeper satisfies the following safety standards:

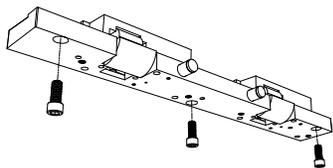
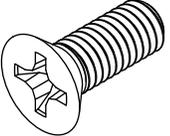
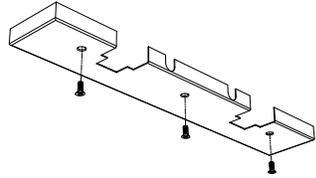
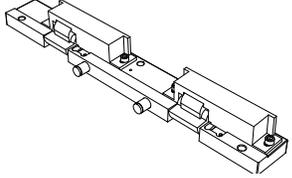
- a. American National Standards Institute (ANSI/BHMA)
 - i. A117.1 Providing Accessibility and Usability for Physically Handicapped People
 - ii. A156.3 Exit Devices
 - iii. A156.18 Materials and Finishes
- b. Americans with Disabilities Act (A.D.A.)
- c. American Society for Testing and Materials (ASTM)
- d. National Fire Protection Association (NFPA 101)
- e. Underwriters Laboratory (UL)
 - i. 305 Panic Hardware

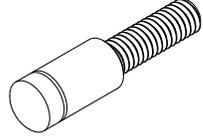
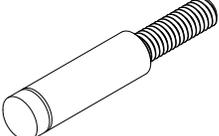
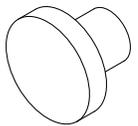
Tools Required

Drill Bits: 1/4"	3/4" Masking Tape
Taps: 5/16-18	Center Punch
Tape Measure	Metal Flat File
Saw Horses	Metal Round File
Cordless Drill	Jigsaw with Metal Cutting Blade
Phillips Head Screwdriver	Framing Square/Straight Edge
1/4" Hex Key	Stepladder
3/16" Hex Key	ESP040 Adjustable Gauge (Ordered Separately)

NOTE: Any modifications, other than those specified in this document, could result in this product's failure to meet UL safety ratings and void the manufacturer's warranties.

PARTS IDENTIFICATION

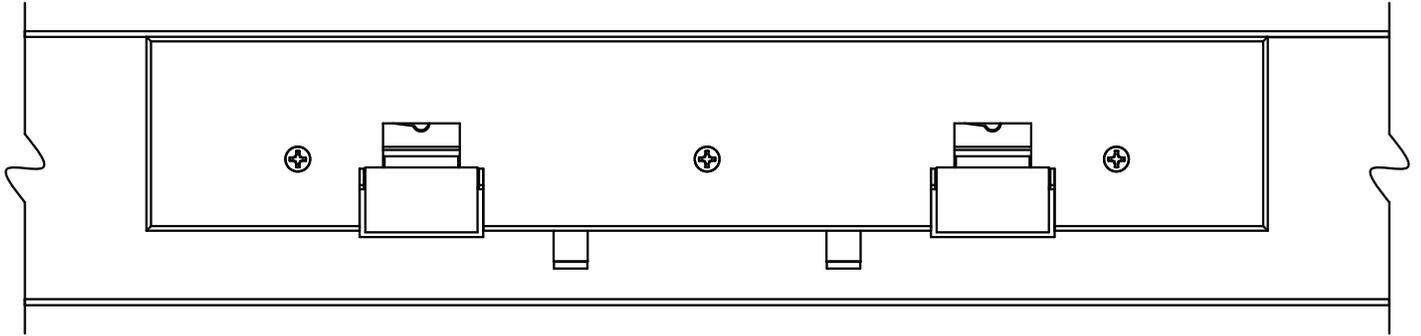
FASTENERS AND PARTS LIST					
CALL OUT	QTY.	FASTENER	FASTENER DESCRIPTION	PART	USED WITH PART NUMBER
Ⓐ	3		5/16-18 x 3/4" SHCS		ESK2/ESP2 Electric Strike Keeper for Double Doors
Ⓑ	3		10-32 x 1/2" FHMS		Electric Strike Cover (Included with ESP2)
Ⓒ	4		1/4-20 x 1/2" SHCS		ESK2/ESP2 Electric Strike Keeper for Double Doors

PARTS LIST				
CALL OUT	QTY	PART	PART NO.	DESCRIPTION
Ⓓ	2		ESK01	5/16-18 x 1" SHCS Stop Screw for Rail Mount Doors (Bumper Sold Separately)
Ⓔ	2		ESK02	5/16-18 x 1" SHCS Stop Screw for Glass Mount Doors (Bumper Sold Separately)
Ⓕ	2		BMPRBR	Rubber Bumper for Strike

HEADER PREPARATION (CONTINUED)

REINSTALL THE PREPARED HEADER AND CONTINUE WITH THE ELECTRIC STRIKE INSTALLATION

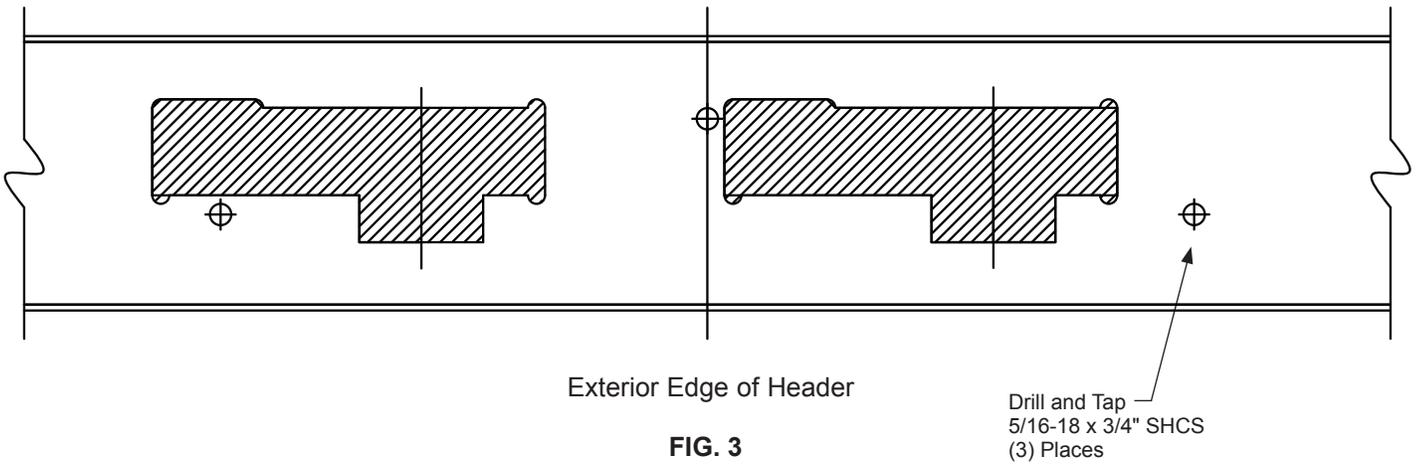
Hardware Configuration



ESP SHOWN

FIG. 2

Interior Edge of Header



Exterior Edge of Header

FIG. 3

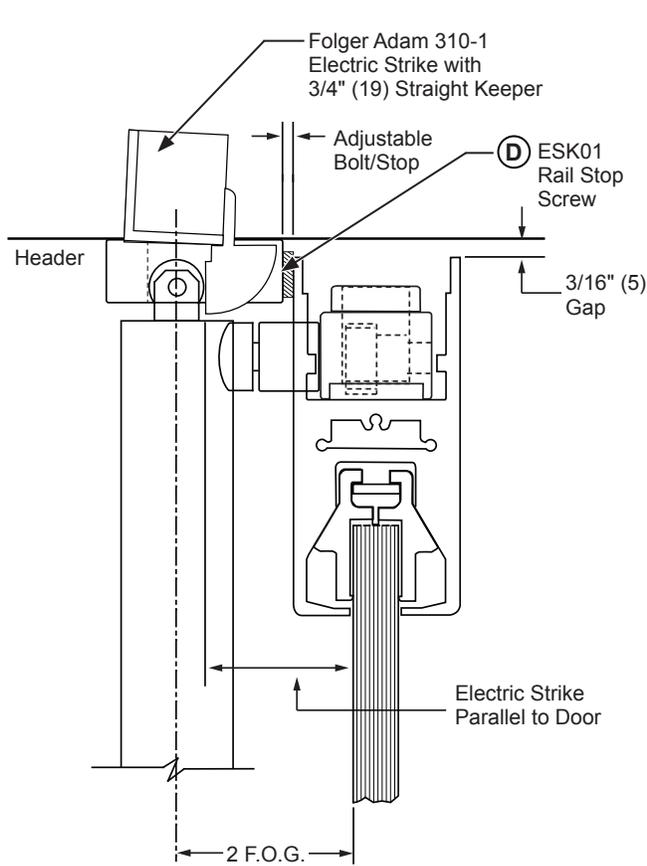
Drill and Tap
5/16-18 x 3/4" SHCS
(3) Places

Use Template from Box

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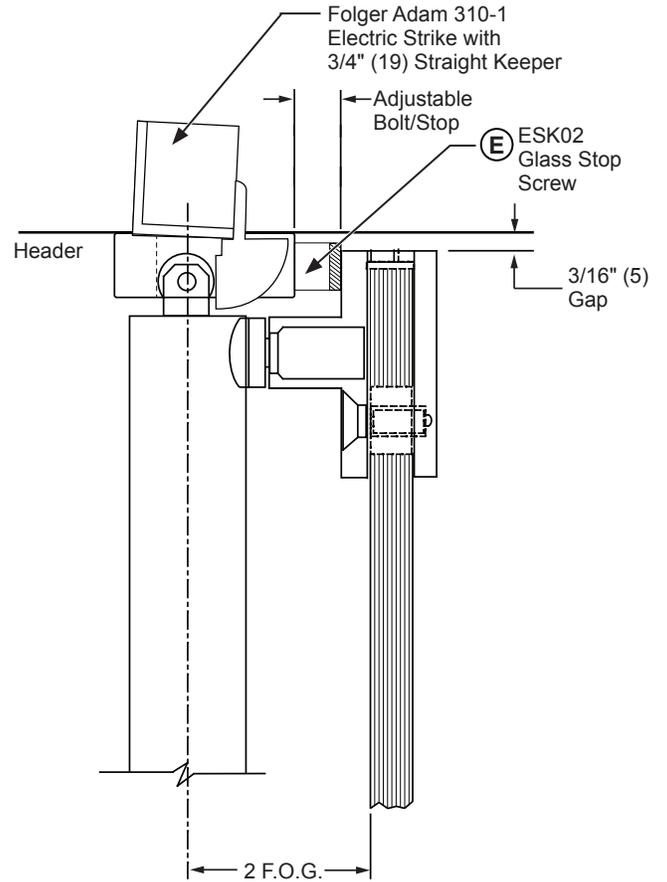
ELECTRIC STRIKE APPLICATIONS

DOOR RAIL APPLICATION AND DIRECT TO GLASS APPLICATION



DOOR RAIL MOUNTING

FIG. 4



DIRECT TO GLASS MOUNTING

FIG. 5

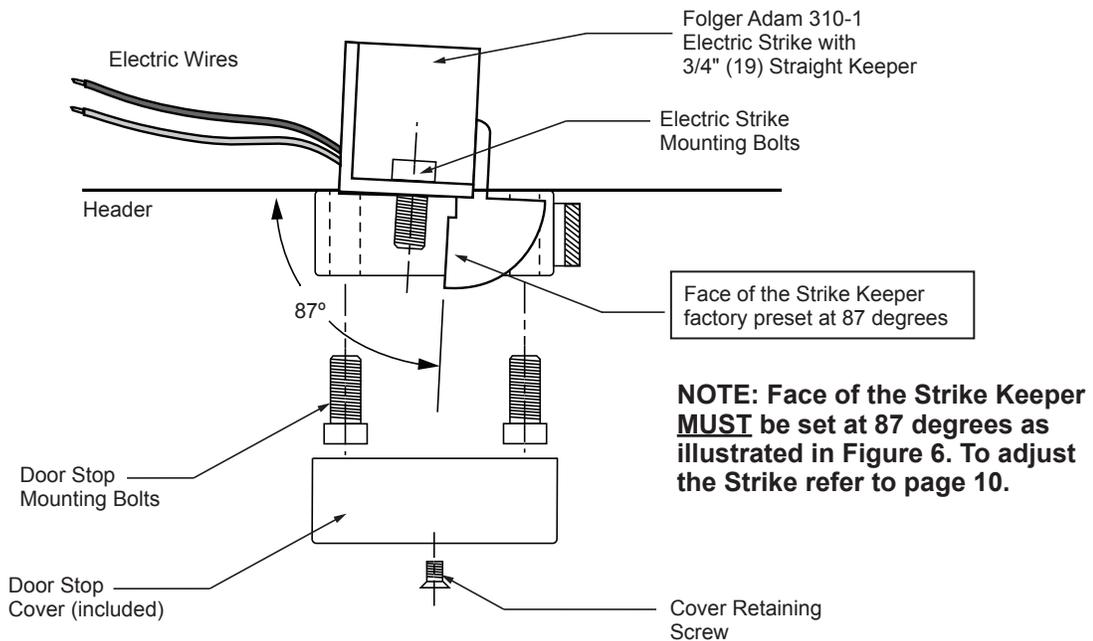


FIG. 6

NOTE: Face of the Strike Keeper MUST be set at 87 degrees as illustrated in Figure 6. To adjust the Strike refer to page 10.

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ELECTRIC STRIKE INSTALLATION

VOLTAGE AND WIRING

NOTE: Proper operating voltage must be supplied to the Strike for it to function correctly. Voltage must be within $\pm 10\%$ of the required voltage that is listed on the Strike Label.

1. Before installing the Strike, make the necessary wire connections. Refer to the table below in. **(Fig. 7)**

(6A) for ESK/ESP Strikes.

(6B) for latch/deadbolt and monitor on ESP Strikes only.

2. When you are installing the Strike into the frame cut-out (Fig. 3, page 06), tuck the wiring away from the Strike area to avoid pinching.

Specifications

- Handle material: 1-1/4" (32) diameter Stainless Steel Tubing.
- Switch, SPDT, maximum contact rating 5 Amps @ 250 Volts.
- Watertight precision body.
- 10 million cycle mechanism.
- Meets with IP67 (IEC 529) requirements.

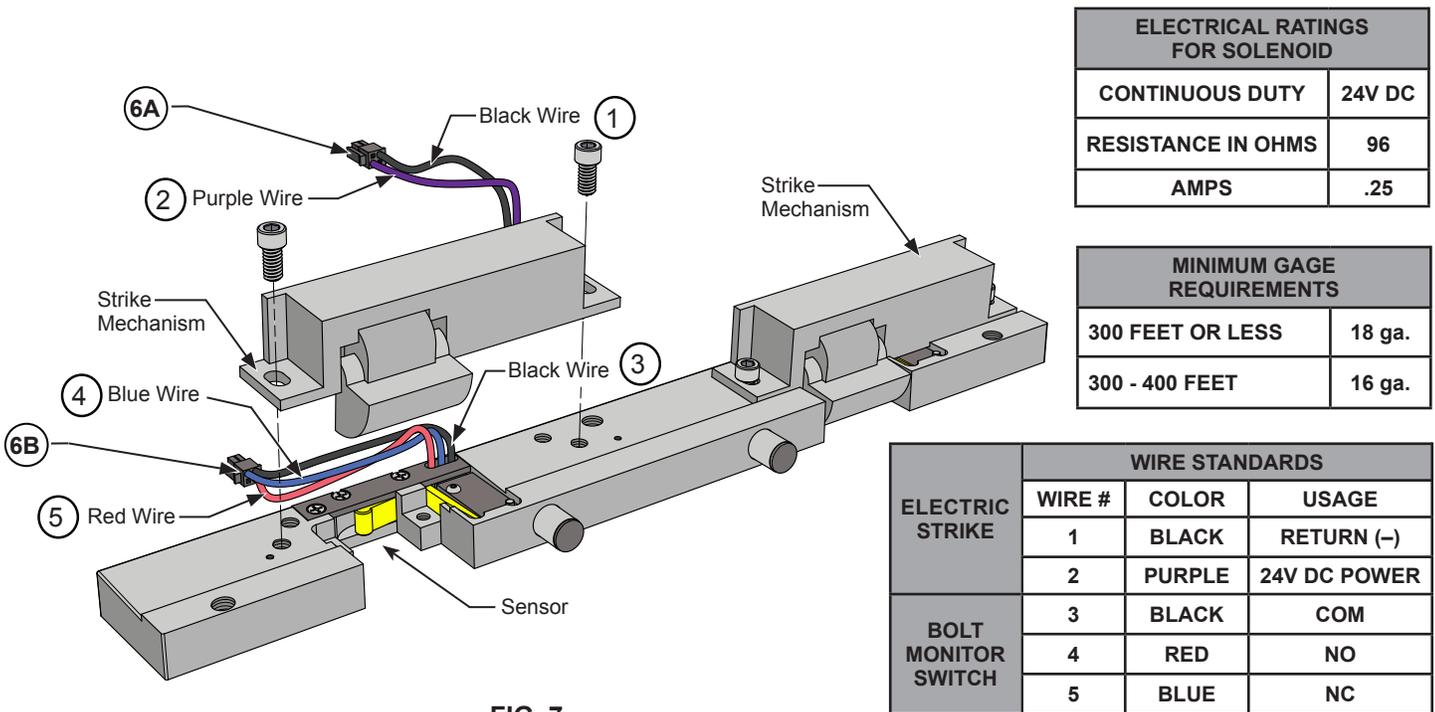


FIG. 7

ELECTRICAL RATINGS FOR SOLENOID	
CONTINUOUS DUTY	24V DC
RESISTANCE IN OHMS	96
AMPS	.25

MINIMUM GAGE REQUIREMENTS	
300 FEET OR LESS	18 ga.
300 - 400 FEET	16 ga.

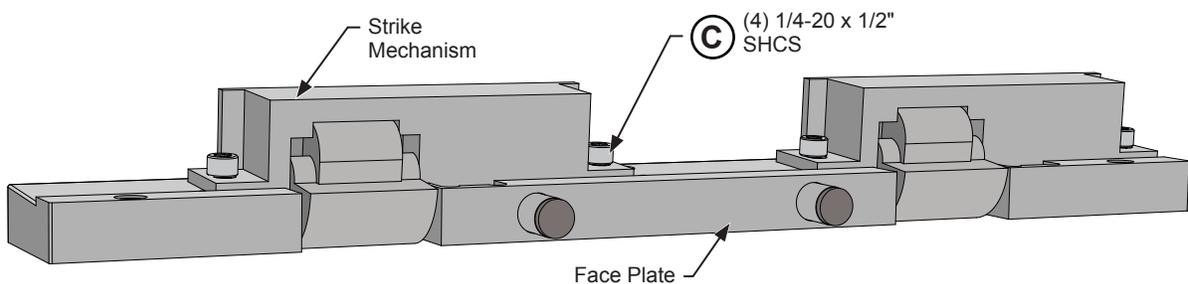
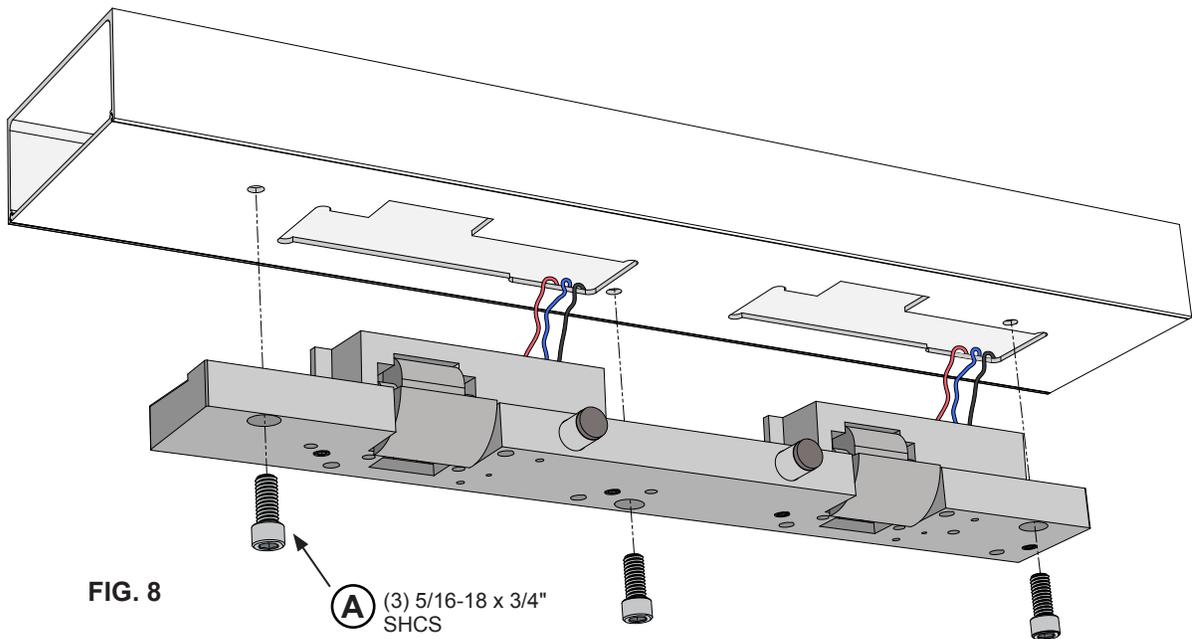
ELECTRIC STRIKE	WIRE STANDARDS		
	WIRE #	COLOR	USAGE
	1	BLACK	RETURN (-)
	2	PURPLE	24V DC POWER
BOLT MONITOR SWITCH	3	BLACK	COM
	4	RED	NO
	5	BLUE	NC

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ELECTRIC STRIKE INSTALLATION (CONTINUED)

ELECTRIC STRIKE ATTACHMENT

1. Fasten the Electric Strike to the header using **(A)** (3) 5/16-18 x 3/4" SHCS. **(Fig. 8)**
2. Check the horizontal alignment. Make sure that the centerline of the latch bolt is aligned with the centerline of the Strike.
3. In case of misalignment, a 3/16" (4.8) horizontal adjustment may be made between the Strike mechanism and the face plate. **(Fig. 9)**



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ELECTRIC STRIKE INSTALLATION (CONTINUED)

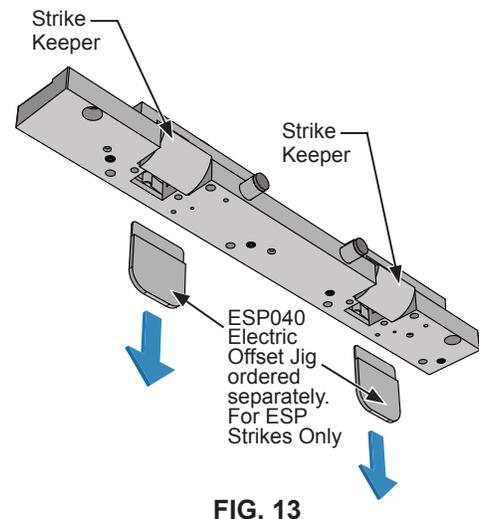
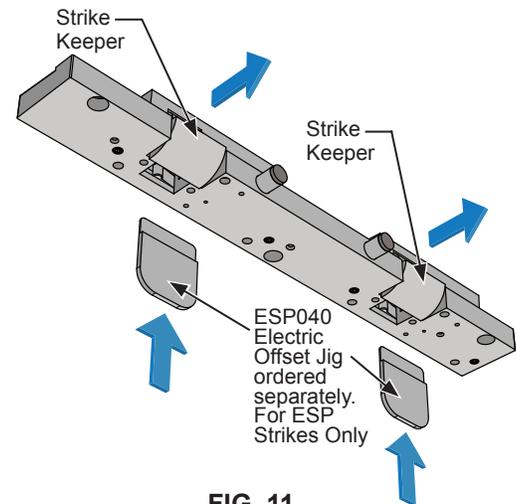
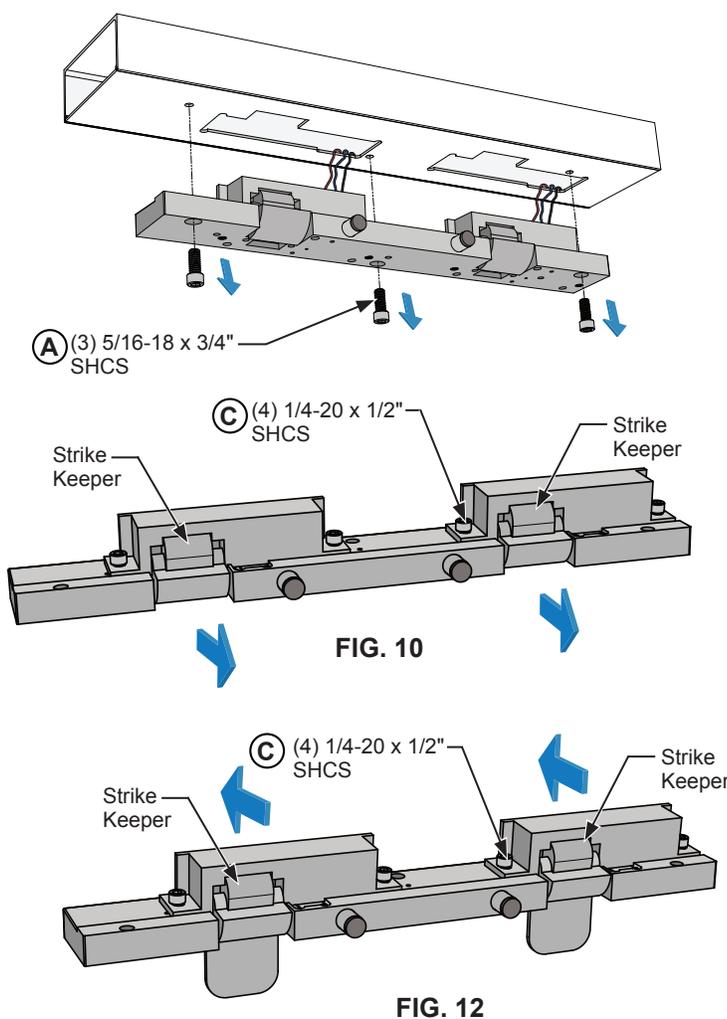
ELECTRIC STRIKE ADJUSTMENT

***THIS IS REQUIRED ONLY IF:**

1. Electric Strike is replaced.
2. The latch sensor gives a false reading when the door is pushed out while secured.

To Adjust:

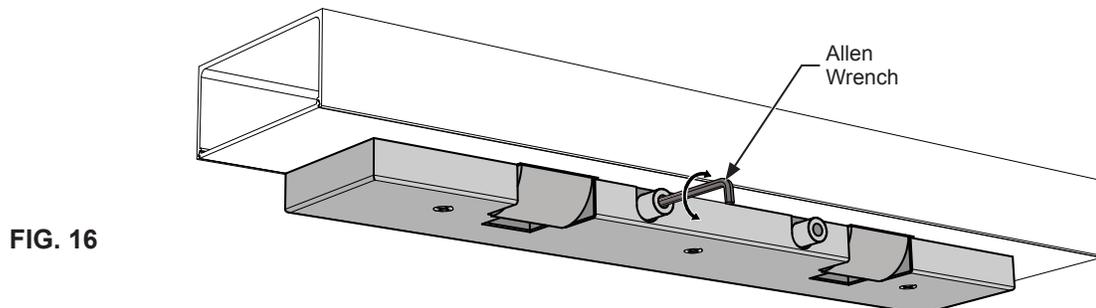
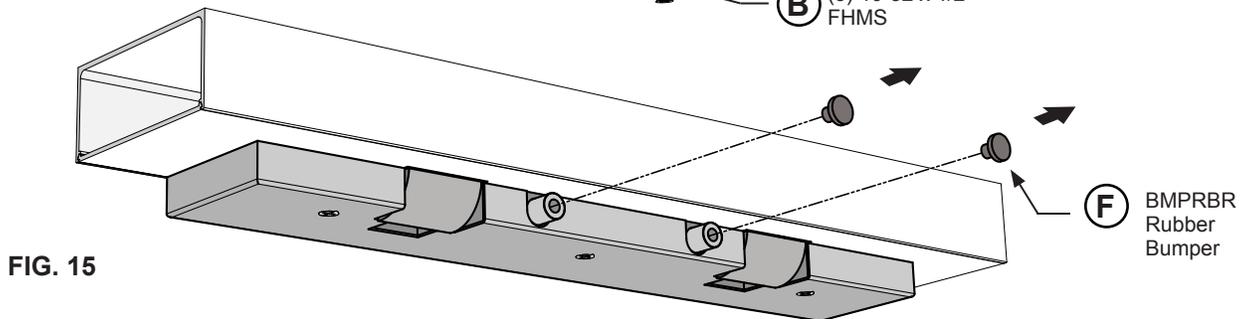
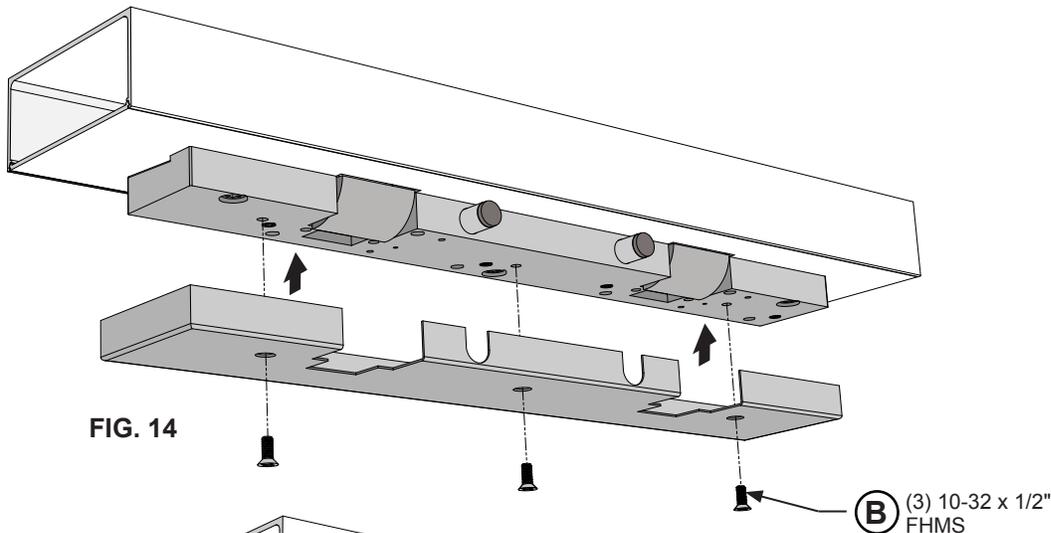
- A) Remove the **(A)** (3) 5/16-18 x 3/4" SHCS.
- B) Remove the Strike from the header.
- C) Loosen the **(C)** (4) 1/4-20 x 1/2" SHCS.
- D) Apply pressure to the Strike Keeper to create a gap. **(Fig.10)**
- E) Insert the **ESP040** Electric Offset Jig while holding the Strike Keeper. **(Fig.11)**
- F) Push and hold the Strike Keeper in against the Jig and re-tighten the **(C)** (4) 1/4-20 x 1/2" SHCS. **(Fig.12)**
- G) Remove the **ESP040** Electric Offset Jig. **(Fig.13)**
- H) Install the Electric Strike Assembly using the **(A)** (3) 5/16-18 x 3/4" SHCS.



ELECTRIC STRIKE INSTALLATION (CONTINUED)

RE-ATTACH STRIKE COVER AND MAKE FINAL ADJUSTMENTS

1. Install the Strike Cover using **(B)** (2) 10-32 x 1/2" FHMS. **(Fig. 14)**
2. When the door closes against the rubber stop pads, the retractable bolt should automatically move upward to engage the Strike.
3. If it does NOT engage, the door stops should be adjusted inward. Do not overtighten. This can cause the door to rattle.
4. To adjust the stop, remove the rubber bumper covering a socket for a 1/4" Allen wrench. **(Fig. 15)** Insert the wrench and rotate in or out as needed **(Fig. 16)**. One full turn is equal to approximately 1/16" of adjustment. Re-attach the rubber bumper.



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