

INSTALLATION INSTRUCTIONS

SL-60 and SL-60E (electric) Removable Mullion Keyed and Non-Keyed

IMPORTANT: Read all instructions before beginning installation.

These instructions are provided to help prevent installation problems caused by most common errors. They are strictly recommendations and are not intended to be a step-by-step, foolproof installation checklist suitable for every situation. There are many variations of installations not covered in these instructions that Special-Lite assumes are general construction knowledge to an experienced installer.

Selection of an experienced installer is the sole responsibility of the project owner or responsible party. **Failure to follow good practice in installation will void the warranty on Special-Lite products.**

If you have any questions about installation techniques for your particular project, please call 1-800-821-6531 and ask for a Special-Lite Customer Service Representative or Training Manager.

This and other Installation Instructions can be found on Special-Lite's web site at www.special-lite.com.

INSTALLATION OF TOP BLOCK

NOTE:

The door frame must be installed
and doors hung with proper clearances.
The door frame **MUST** be a minimum 4-1/2" deep.

1. If Special-Lite frames are used and the top block has been factory installed, move to step #10.

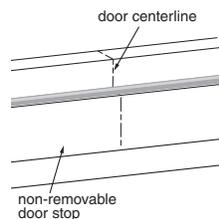


FIGURE A

2. Mark the exact center of the door opening on the door header and door stop. **FIG-A**

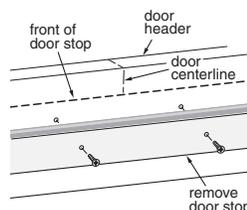


FIGURE B

3. If door stops are removable, mark the front edge of door stop on header, as shown on **FIG-B** and remove door stop.

4. If door stops are non-removable, mount the top block directly to the door stop, centered, 9/32" behind front edge of door stop as shown in **FIG-C**.

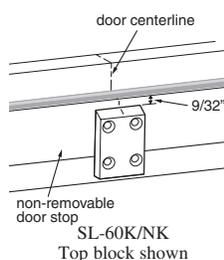
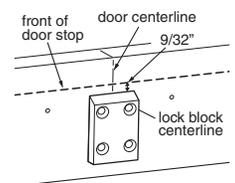


FIGURE C

INSTALLATION OF TOP BLOCK cont.

5. With removable stops, center top block at marked center of header, 9/32" behind marked front edge of door stop as shown in **FIG-D**. Next mark fastener hole locations as well as electrical connection hole if SL-60E is used.



SL-60K/NK
Top block shown

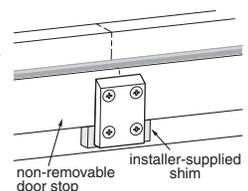
FIGURE D

6. Drill and tap holes for 12-24 flat head machine screws. Screws are not supplied by Special-Lite. When using machine screws and attaching to metal, use a liquid thread locking compound.

7. For SL-60E top block, drill minimum clearance hole of 1-3/16" diameter for electrical connector.

8. Electrical connections to back of top block must be made before block is installed.

9. When mounting to non-removable door stops, top block may hang over back side of door stop. Provide a support shim under back side of top block in this condition. **FIG-E** (shim by customer)



SL-60K/NK
Top block shown

FIGURE E

MEASURING FOR MULLION LENGTH

- 10.** At the mullion location on the header, measure between the header and the floor, for the length of the mullion as shown in **FIG-F** for removable door stops.

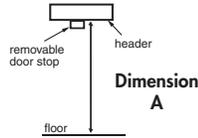


FIGURE F

For frames with non-removable door stops, measure from the door stop to the floor as shown in **FIG-G**.

IMPORTANT:

If the shim block is to be used, an additional 1/2" must be subtracted from *dimension A* in **FIG-F** or *dimension B* in **FIG-G** before cutting the mullion to length. See **Step 11 & FIG-H**

- 11.** If mullion is being installed prior to finished floor coverings or tiles, the optional (supplied by Special-Lite) 1/2" shim block **MUST BE USED**. **FIG-H**

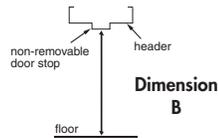


FIGURE G

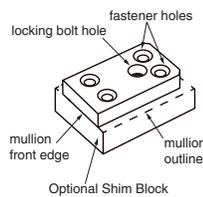


FIGURE H

CUT MULLION TO LENGTH

- 12.** For SL-60E, remove electrical cord and restraint by removing screw as shown in **FIG-I & J**.

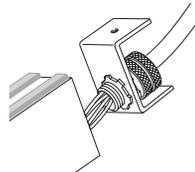


FIGURE I

- 13.** Mark dimension "A" or dimension "B" on the mullion post from the **BOTTOM UP** and trim the **TOP** off the mullion post. **FIG-K**

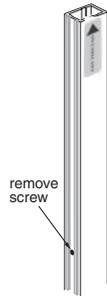


FIGURE J

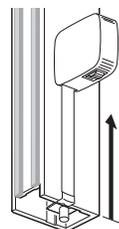


FIGURE K

INSTALL BOTTOM BLOCK

- 14.** Close both doors and mark the floor at center of gap between doors.
- 15.** Slide mullion onto top block and set bottom in approximate position with or without shim as required and open one door.

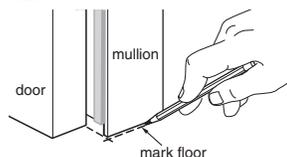


FIGURE L

- 16.** Align center line of mullion on center line of door gap and mark all four sides of the mullion post, on the floor. Remove mullion and set aside. **FIG-L**

IMPORTANT:

- 17.** Lock block must be installed with locking bolt hole orientated to interior or side of opening. Align lock block (and shim block if needed) centered between marks on floor and even with marked mullion front edge. Mark fastener hole locations and drill fastener holes. Mount bottom block to floor, with or without shim as required.

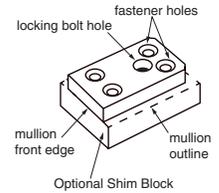


FIGURE M

INSTALLING MULLION

- 18.** If mullion locking cylinder is not supplied by Special-Lite, a 1" to 1-1/8" mortise cylinder with Adams Rite cam must be used. **FIG-N**
- 19.** Place mullion over top block and slide bottom of mullion over floor lock block, check for fit and operation of locking mechanism.

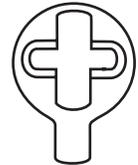
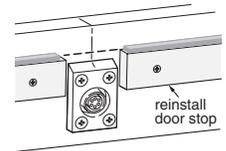


FIGURE N
(Adams Rite Cam - actual size)

- 20.** Reinstall door stops on header by trimming just enough of the door stop off to allow the mullion to slip through freely. **FIG-O**



SL-60E
Lock block shown

FIGURE O

- 21.** For SL-60E, reinstall the electric cord and bracket assembly from the top of the mullion, making sure the screw hole in the bracket is facing the weather strip on the mullion. Reinstall screw holding bracket in position. **FIG-P**



FIGURE P

- 22.** Make a loop in the electric cord and place excess cord into top of mullion. **FIG-Q**

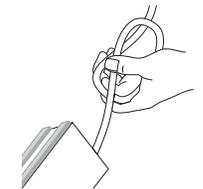


FIGURE Q

- 23.** Stand the electric mullion near the header block. Line up the keyway in the connector, thread connector nut in place and install mullion and lock in place. **FIG-R**



FIGURE R

- 24.** Install electrical hardware. Have a qualified electrician make all necessary electrical connections. Special-Lite is not responsible for any electrical connections.