

INSTALLATION INSTRUCTIONS

Insert Frame and Capping

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.



Exterior Capping/Insert Frame Installation

NOTE:

The 1030 framing system can be used with or without capping. If you are not using capping, skip to "Insert Frame Assembly Installation", step 7. The installation procedure for installing the Insert Frame is the same with or without capping. All capping pieces are sent long so they can be trimmed to length in the field. Jamb and header pieces are different. Jamb pieces have a factory-milled notch at the top.

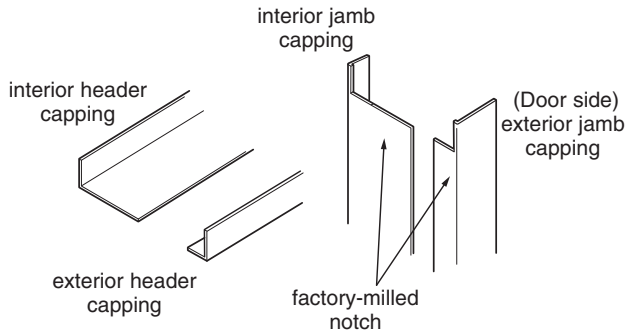


FIGURE A

EXTERIOR CAPPING INSTALLATION

IMPORTANT:

Exterior jamb capping extends under the insert frame and MUST be applied first. Interior capping is applied after insert frame and door installation.

1. Cut exterior jamb capping to the length of the exposed old jamb, to the top of the header. If the old threshold is to be used, do not remove, but cope capping around the threshold. If a new threshold is to be used, run the capping to the floor, then install the new threshold.

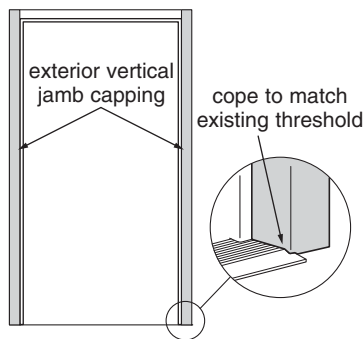


FIGURE B

2. Drill and countersink mounting holes. These holes will not be exposed because they will be underneath the insert frame.

NOTE:

Use a #6 or #8 flat head screw for mounting. Three mounting holes (top, middle, bottom) are needed. Special-Lite does not provide the mounting fasteners for insert frame or capping.

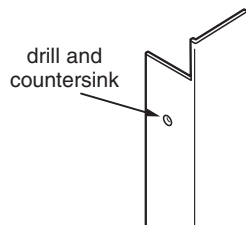


FIGURE C

3. Install both exterior jamb capping pieces.
4. Cut the exterior header to length.

IMPORTANT:

This cut needs to be exact! Use a power miter saw for a clean, square cut.

5. Drill and countersink mounting holes. These holes will not be exposed because they will be underneath the insert frame.

NOTE:

Use a #6 or #8 flat head screw for mounting. There should be a minimum of 2 fasteners in each header capping - no more than 16" apart.

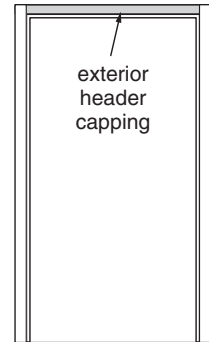


FIGURE D

6. Install the exterior header.

INSERT FRAME ASSEMBLY

IMPORTANT:

The existing door frame must be structurally sound.

NOTE:

The Insert Frame package should include the materials necessary for the 1030 frame only. This includes two (2) side jombs, one (1) header, plus a bag of shims. Special-Lite does not provide the mounting fasteners for insert frame or capping.

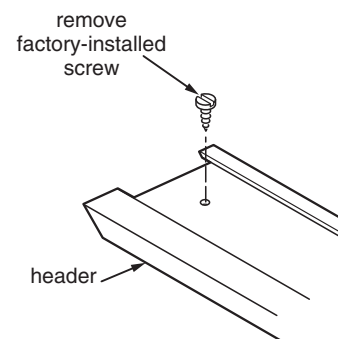


FIGURE E

7. Remove the header-clip screws installed in the header.

8. Assemble the 1030 frame by inserting the factory-installed header clips on the jamb pieces into the header.

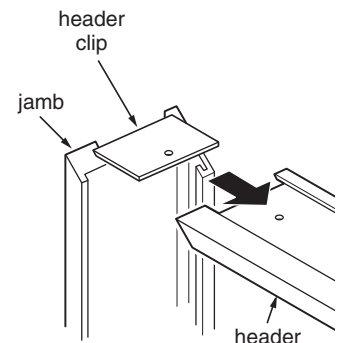


FIGURE F

Insert Frame Installation

INSERT FRAME ASSEMBLY

9. Install a header-clip screw in each clip to complete the 1030 frame assembly.

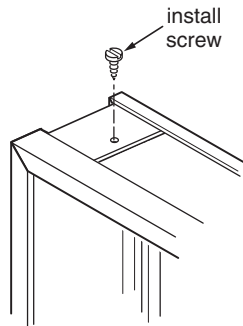


FIGURE G

INSERT FRAME ALIGNMENT

10. Set the 1030 frame assembly into the existing door opening.

11. Hold the frame firmly against the old door stop and with the header level, mark the slotted hole locations on the old door frame.

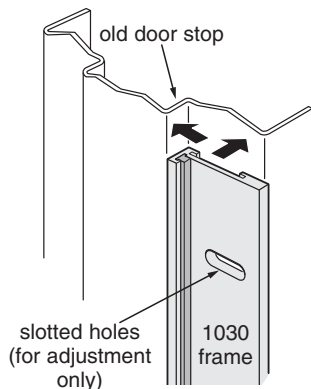


FIGURE H

After marking slot locations, set 1030 frame aside.

12. Drill and tap holes for the adjusting screws in the old door frame. 1/4 x 20 flat head machine screws should be used (Special-Lite does not provide mounting screws). These holes need to be drilled toward the exterior of the slot for maximum adjustability.

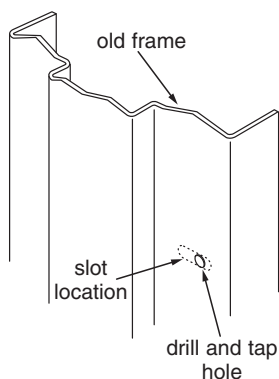


FIGURE I

13. Place the 1030 insert frame assembly back into the opening.

14. Start an adjusting screw in each slot. Place factory-supplied shims between old frame and the 1030 frame where necessary to plumb and square frame. The shims have a slot that will slide around the adjusting screw.

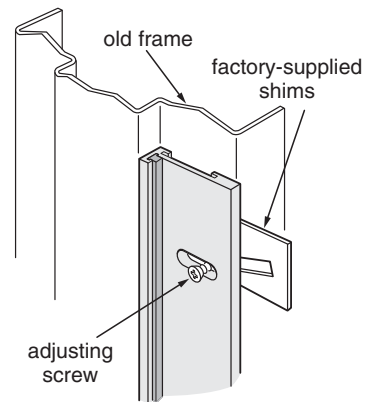


FIGURE J

15. Slide the 1030 insert frame back against the old door stop and tighten the adjusting screws. Place a level on the hinge jamb and shim frame as necessary by adding or removing shims to plumb the hinge jamb.

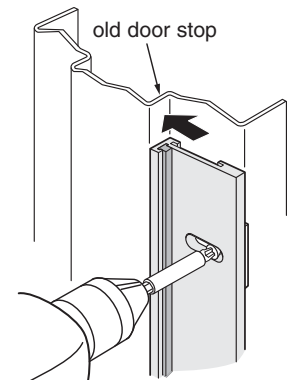


FIGURE K

16. Repeat this process on the latch jamb.

HANG THE DOOR(S)

17. If butt hinges are used, fasten with one screw in each hinge. If a continuous hinge is used, fasten with three screws (top, middle, bottom) along the hinge.

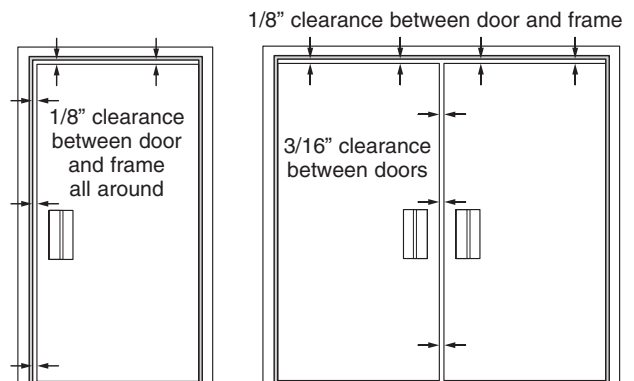


FIGURE L

18. Close door and check for 1/8" clearance between door and frame and 3/16" clearance between doors.
19. Check for alignment with 1030 insert frame. If adjustment is needed, loosen the adjustment screws and adjust frame for proper alignment.
20. Tighten adjusting screws.

Insert Frame/Interior Capping Installation

INSERT FRAME INSTALLATION

21. Doors with butt hinges may remain in position, but a door with a continuous hinge must be removed at this point.

22. Drill and countersink holes for mounting screws for jambs and headers.

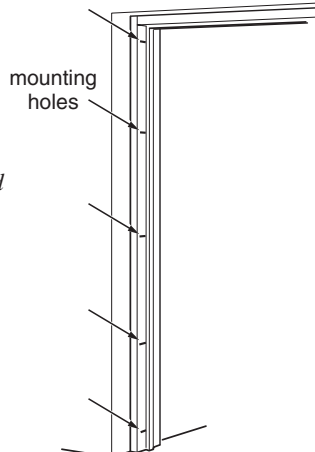


FIGURE M

NOTE:

Drilled mounting holes need to be for a minimum 1/4 x 20 flat head machine screw (Special-Lite does not provide mounting screws). Holes need to be approximately 2-1/2" from top and bottom and no more than 16" apart. Do not place mounting holes through the hinges. Mounting holes should be placed into the existing old frame at the most secure places (like hinge reinforcement areas) when possible.

23. Install mounting screws, but do not tighten.

24. Place provided shims behind mounting holes as required to maintain proper clearance.

25. Tighten mounting screws.

INTERIOR CAPPING INSTALLATION

26. Cut interior jamb capping to the length of the exposed old jamb, to the top of the header. If the old threshold is to be used, do not remove, but cope capping around the threshold. If a new threshold is to be used, run the capping to the floor, then install the new threshold.

27. Drill and countersink mounting holes.

NOTE:

Use a #6 or #8 flat head screw for mounting (Special-Lite does not provide mounting screws). Holes need to be approximately 2-1/2" from top and bottom and no more than 16" apart. Space evenly for best appearance.

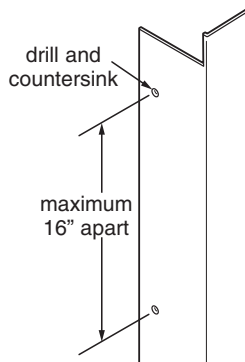


FIGURE N

28. Install both interior jamb capping pieces.

29. Cut the interior header to length.

IMPORTANT:

This cut needs to be exact! Use a power miter saw for a clean, square cut.

30. Drill and countersink mounting holes.

NOTE:

Use a #6 or #8 flat head screw for mounting. There should be a minimum of 2 fasteners in each header capping no more than 16" apart.

31. Install the interior header.

HARDWARE ATTACHMENTS AND CAULK (INSERT FRAME ONLY)

NOTE:

Follow these instructions for installations without capping. For installations with capping, skip to step #34.

32. Install hardware attachments (i.e., door closer shoe or exit device strike). Special-Lite does not supply shim material for hardware attachments. Use aluminum bar stock for shim material.

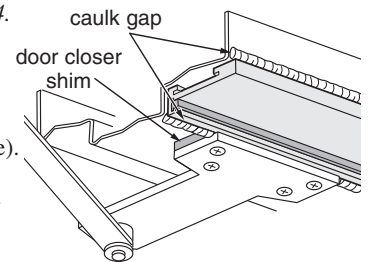


FIGURE O

33. Caulk the gap between the existing frame and the 1030 frame. This gap may be larger in some places because during alignment the frame may have had to be moved away from existing old frame. Caulk both the interior and exterior edges.

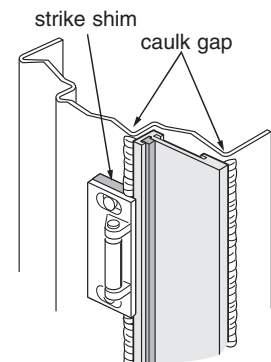


FIGURE P

Insert Frame Installation

HARDWARE ATTACHMENTS AND CAULK (INSERT FRAME AND CAPPING)

- 34.** Install hardware attachments (i.e., door closer shoe or exit device strike). Special-Lite does not supply shim material for hardware attachments. Use aluminum bar stock for shim material.

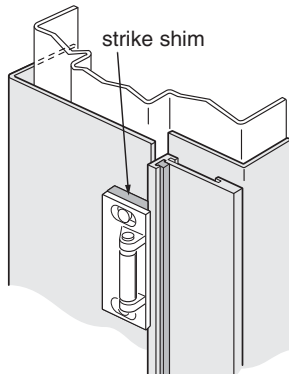


FIGURE Q

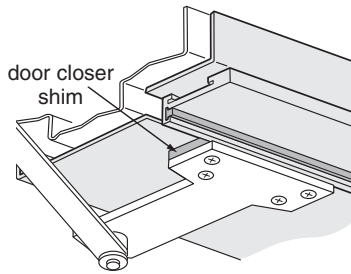


FIGURE R

- 35.** Caulk transitions from capping to existing walls or frame as necessary, and between insert frame and capping as shown.

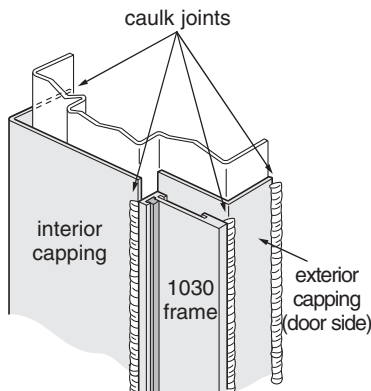


FIGURE S

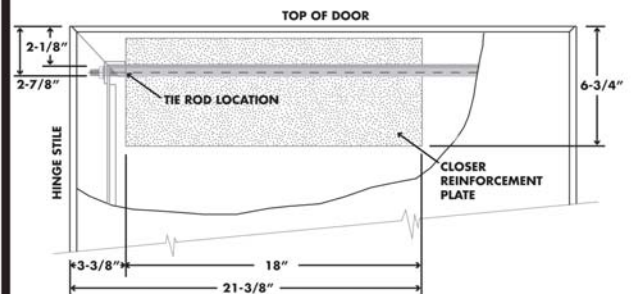
- 36.** Caulk the threshold interior and exterior.

IMPORTANT:

Do not drill closer mounting holes through tie rod in door. Observe cautions on door sticker (see example below).

CAUTION

Be careful when drilling for closer mounting screws. Do not drill any hole deeper than 9/16 of an inch at tie rod location. Refer to illustration below or installation instructions for location of tie rod and closer reinforcement plate.



Caution Sticker applied to all flush doors

If a meeting brush is used with pairs of doors, be sure to pull the string that holds the meeting brush rigid for shipping.

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