



the standard in safety

Underwriters
Laboratories

MR. CARL SCHMIDT
BRISTOL FIBERLITE INDUSTRIES, DBA
BRISTOLITE SKYLIGHTS
401 E GOETZ AVE
PO BOX 2515
SANTA ANA CA 92707

Date: 2008/04/09
Subscriber: 711195001
PartySite: 156692
File No: R14504
Project No: 07NK09851
PD No: 08M18576
Type: R
PO Number: 42894

Subject: Procedure And/Or Report Material

The following material resulting from the investigation under the above numbers is enclosed.

Issue

Date	Vol	Sec	Pages	Revised Date
1992/03/12	1	1	Revised Description Page(s) 1,3,4	2008/04/02
1992/03/12	1	1	New Figure(s) 1,2	2008/04/02
1992/03/12	1	1	New Illustration(s) 35,36,37,38,39	2008/04/02
1992/03/12	1	1	Revised Illustration(s) 32,33,34	2008/04/02
1992/03/11	1		New Test Record 4	2008/04/02

Inspections at your plant will be conducted under the supervision of BEN BAILON, UL INSPECTION CENTER SOUTHWEST, UNDERWRITERS LABORATORIES INC, SUITE 113-520, 1955 W BASELINE RD, MESA, AZ, United States, 85202., PHONE: 915-855-9500, FAX: 480-491-0087, EMAIL: benjamin.bailon@us.ul.com

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to our Customer Service Professional, PHONE: 1-877-ULHELPS (1-877-854-3577), FAX: 1-847-407-1395, E-MAIL: customerservice.nbk@us.ul.com, referring to the above Project and/or PD Numbers.

This material is provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

NBK File

UL INSPECTION CENTER 812

DESCRIPTION

PRODUCT COVERED:

USL, CNL - Automatically operated heat and smoke roof vents designated Model SVAM, SVAF, SVAA, SVSM, SVSF and SVSA. These units are constructed in widths of 4 to 5 ft and in lengths of 4 to 8 ft.

FACTORY LOCATION AND IDENTIFICATION:

<u>Location</u>	<u>Identification</u>
Santa Ana, CA	None

FINISHED PRODUCT:

GENERAL

The units consist essentially of the following:

1. Galvanized steel or aluminum body assembly.
2. Two door assemblies (galvanized steel or aluminum) or two dome assemblies (acrylic or fiberglass)
3. Operating mechanisms.
4. Latching mechanisms.
5. **Optional electric 120 or 240 volts Solenoid operated opening method.**

The units are intended to relieve heat and smoke upward through the roof by action of the doors opening.

INSTALLATION INSTRUCTIONS:

Installation and maintenance instructions are to accompany each unit. Also, each door is to be secured by clips or screws to prevent premature release during shipping and which are to be removed after installation.

MARKING:

In addition to the Listing Mark and other applicable items described on the Listing Mark Data Page of this Procedure, the outside of each door shall be labeled with the information shown on ILLS. A, A-1 and A-2. In addition, the nameplate is marked with the class of roof deck construction as Class 30. The nameplate is marked with a date code not exceeding any three consecutive months and does not repeat within 20 years and with a model number of the vent.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL indicates investigation to the Standard UL 793, the Standard for Automatically Operated Roof Vents for Smoke and Heat. CNL indicates investigation to Canadian National Standard C793 the Guide for the Investigation of Automatically Operated Smoke and Heat Roof Vents.

LATCH RELEASE ASSEMBLY

General - The latch release assembly is constructed as shown on ILLS. 12 and 23. The springs are to conform to the specifications shown on ILLS. 29, 29A, 29B, 29C, 30 and 31.

Components - The heat responsive link shown on ILL. 12 shall be UL Listed. .

Optional Factory Installed Solenoid Channel Kit, see ILL's 32 thru 39 and Figs. 1 and 2.

Bristolite® Skylights
 401 E. Goetz Avenue
 Santa Ana, California 92707
 Tel.: (714) 540-8950 (800) 854-8618
 Fax: (714) 540-5414

**SMOKE VENT
 Solenoid (w/ Fusible Link)
 Reset Instructions**

Step 1.

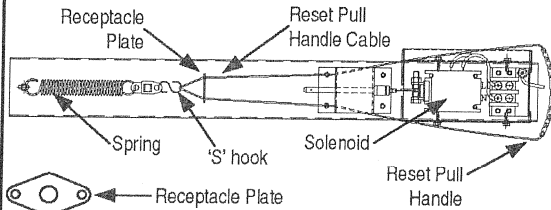
It takes *two* people to properly and safely reset the solenoid assembly, and re-close the lid(s).

Step 2.

WARNING : The smoke vent lid(s) must be in the *open* position prior to resetting the solenoid assembly. Resetting the solenoid with closed lid(s) could trip the latches when disturbing the cables, causing the lid(s) to spring open. If the lid(s) are closed, follow the proper steps to manually open the vent lid(s).

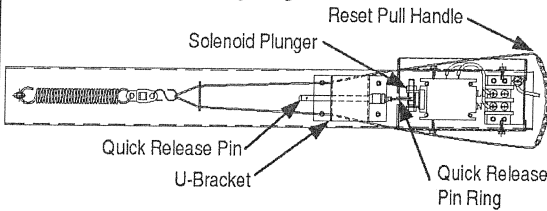
Step 3.

Locate the reset pull handle. The *reset pull handle cable* should be hooked to the 'S' hook and threaded through the *receptacle plate* side holes.*



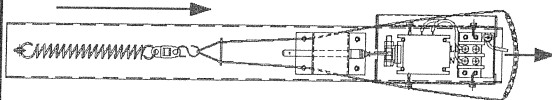
Step 4.

Locate the quick release pin. The pin should be seated in the *U-bracket* and the *quick release pin ring* secured to the *solenoid plunger*.*



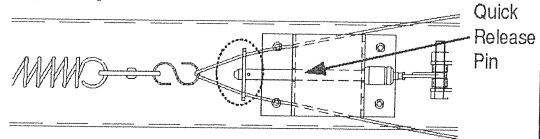
Step 5.

Person #1 pulls the reset handle away from the spring, extending the spring and pulling the receptacle plate toward the quick release pin.



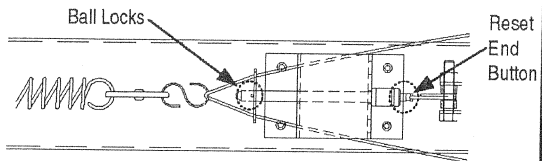
Step 6.

While #1 pulls the reset handle, Person #2 guides the quick release pin through the center hole of the receptacle plate.



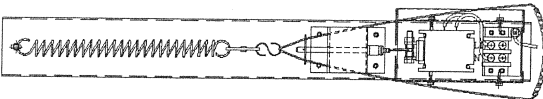
Step 7.

#2 depresses and holds in the *ring end button* of the quick release pin, guiding the receptacle plate pass the *ball locks*.



Step 8.

Release the ring end button of the pin and slowly relax the reset handle. The solenoid is now set.



Step 9.

Close vent lids per instructions.

* For any questions or concerns, contact Bristolite at 1-800-854-8618.

SOLENOID SPECIFICATIONS Model 2005-M1

Coil Voltage @ 60 Hz	Coil Resistance	Seated		Amps @ Max. Stroke
		Watts	Amps	
120	20.5	17.9	.43	4.9

WARNING : TO HELP PREVENT INJURY, WIRING MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ACCORDING TO LOCAL AND (N.E.C.) NATIONAL ELECTRICAL CODES AND CARE MUST BE TAKEN WHEN WORKING AROUND AND WITH A PRESET SOLENOID OPERATOR.