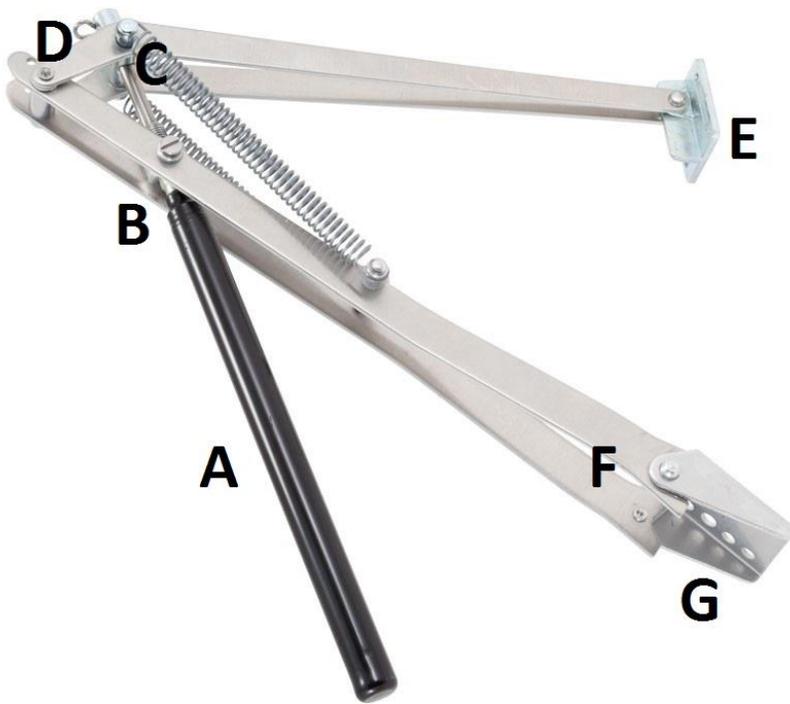




# UNIVENT Automatic Vent Opener Installation Instructions



**A: Black Rod Cylinder**

**B: Cylinder Housing**

**C: Clutch T**

**D: Small Hairpin**



**E: Vent Bracket**

**F: Vent Arms**

**G: Frame Bracket**

*UNIVENT Made in Denmark*

info@sunglogreenhouses.com  
Office 8am-4pm: 425-251-8005 PST  
Fax: 425-251-8008  
After hour line: 425-698-5899

Sunglo Greenhouses is located near Seattle, WA

Revised 4/2015

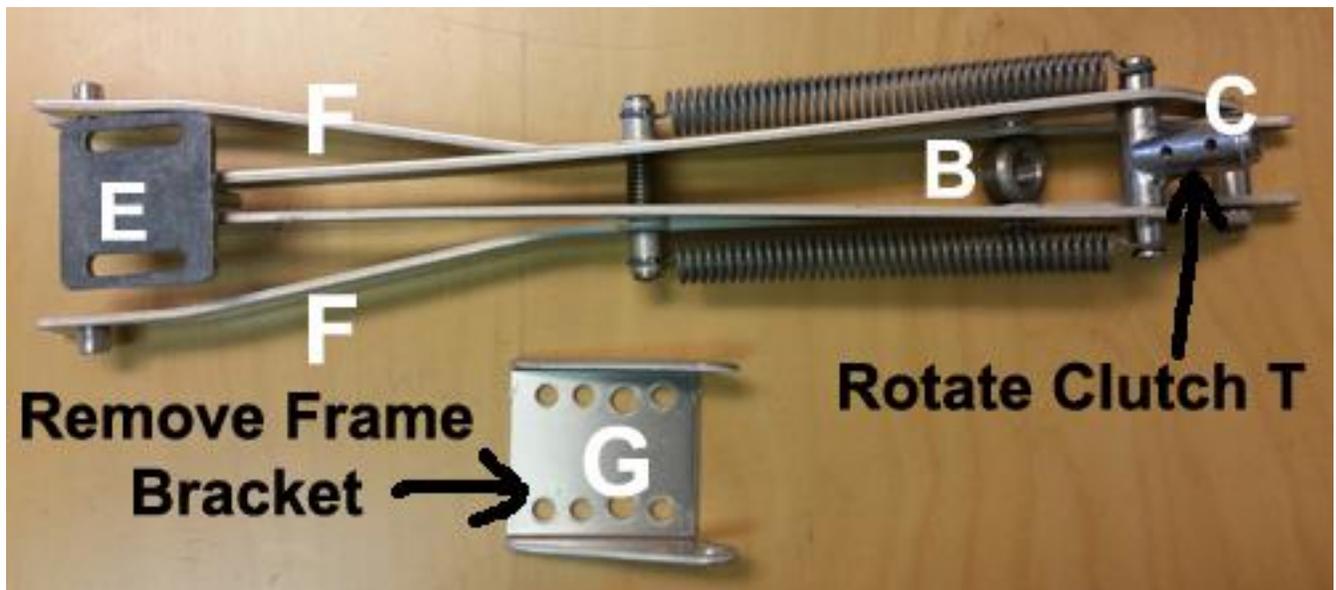
From the UNIVENT package you will need the Vent Opener Assembly, Black Rod Cylinder, Four Oversized Rivets, and the Small Hair Pin.



**Tools required (not included):**

**Drill, Rivet Gun, Vise Grip (or Clamp), #11 drill bit (or 3/16").**

1. Place the Black Rod Cylinder (A) in a cool area for 30 minutes to ensure it is retracted completely. The Rod should be about 3 5/8" long.



2. Remove the Frame Bracket (G) from the Vent Assembly by pushing the Vent Arms (F) together.
3. Rotate the Clutch T (C) 180° so the bottom of the T points away from the Assembly.



4. Insert the Black Rod Cylinder (A) through the round cylinder housing (B) and through the top hole of the Clutch T (C).
5. Align the Cylinder Piston Rod (A) hole with the first hole of the Clutch T (C) and lock it by inserting the straight leg of the Small Hairpin (D).
6. **WARNING: BE CAREFUL. Do not let the vent snap** during the next procedures. Have someone help if necessary.

Push the vent apart until the Black Rod Cylinder (A) can be screwed clock wise into the threaded ring of the Cylinder Housing (B). Continue screwing the cylinder half way, until equally much of the cylinder thread is visible on either side of the threaded ring.



7. Clamp the Frame Bracket in place to either the Ridge (1000 series) or the Hanger bar T-Bracket (all other series) starting at **9" from the gable end**. The thin side of the bracket points to the gable end.
8. Rivet the Frame Bracket using two oversized rivets. If attached to the ridge (1000 series) place one rivet on each side. If attached to the T-Bracket (Hanger Bar #1806-12) place both rivets on the same side. **DO NOT drill through the corrugated roof panel**. Push the panel up while drilling or use some thin wood as a protective spacer.

9. Install the Vent Arms (F) in the Frame Bracket (G) and then hold the Vent Bracket (E) against the Vent Door where it touches the very top of the Sunglo letter. Test the operation of the opener making sure the Vent Door will open wide.



10. Attach the Vent Bracket (E) to the black vent, using **two Oversized Rivets**. Mark the vent where the holes go. Drill from the inside. Riveting from the outside of the vent door will give a clean finished rivet look. Hold the Vent Bracket (E) tight against the door during this procedure. Assistance comes in handy here.



### **Adjustments:**

The black rod cylinder contains a wax that will expand during higher temperatures, automatically opening and closing your vents.

Your automatic vent opener can be adjusted to start opening at temperatures between 63 – 77°F. Maximum opening is at about 86°F.

If you want the opener to begin opening at a different temperature, then turn the black cylinder:

**a. Clockwise = an earlier start/ more open**

**b. Counter-clockwise = a later start/ less open**

One twist of the cylinder equals about 1°F. Your automatic vent opener is NOT suitable for use where the temperatures will exceed 122°F. The vent opener can be quickly disconnected at any time by pressing together the Vent Arms (F) and disconnecting them from the Frame Bracket (G).

### **Manual vent latch removal:**

If you have already installed the Sunglo manual vent latch, you can remove it by simply placing a #30 (or 1/8") drill bit in the center of the rivets. Drill through each rivet until they are removed. To cover the old rivet holes you can reinsert a rivet that will just have an esthetic function. We call them Cosmetic Rivets.

### **Maintenance:**

Lubricate all moving parts using light oil after installation, during each spring, and as needed during the summer. Apply petroleum jelly to the cylinder thread occasionally.

Remove the black cylinder in the winter and store in a dry place to extend its life. Lubricate the piston rod and the thread before remounting. Check that the piston rod moves smoothly.

**Replacement Black Rod Cylinders (A) are available from Sunglo Greenhouses.**

*Happy Greenhousing. Your Sunglo Team*