



Motor Brush Replacement Instructions

Lomanco® Omni Solar Vent™ (OSV-40)

Lomanco® Solar Gable Vent (SGABLE-40)

Tools Required:

- 1/8" Allen wrench
- Flat screwdriver
- Pliers

1. Disable vent operation. Disconnect the solar panel wires from the wire coming from the vent.
2. If you are accessing the unit from the motor side go to step 4.
3. Accessing the unit from the fan blade side, remove fan blade. Locate the set screw on the side of the fan blade hub facing the attic space. Using a 1/8" Allen wrench, loosen the set screw and remove the fan blade.
4. Disconnect the wires connected to the red and black terminals on the side of the motor.
5. Gently, use a screwdriver to pry the red cap covering the terminal to access the motor brushes. **Do not lose, throw away or misplace the cap.**
6. Remove the motor brush by lifting up on the exposed terminal end. Discard old brush.
7. Correctly position the concave end of the new brush as shown and insert the new brush.
8. Replace the red end cap making certain the spring and terminal end compress and fit without binding. Press firmly on the cap causing it to snap and lock back into position over the terminal.
9. Repeat the above steps 5 - 8 with the black terminal and black end cap.
10. Reconnect motor wire. Connect the red motor wire to the red terminal, and then connect the black motor wire to the black terminal.
11. Replace fan blade. Line the set screw up with the flat on the motor shaft. Slide the fan blade onto the shaft until the hub is flush with the end of the shaft. Tighten the set screw to secure the fan blade.
12. Reconnect vent. Connect the red solar panel wire to the red motor wire, and then connect the black solar panel wire to the black motor wire.
WARNING: The unit will begin operation once the connection is made.

