



## Installation Instructions for Replacement 12 Volt Motor BVD0218-00

### Notes:

- 1) The BVD0218-00 is a direct replacement for motor VD0218-00 and replaces 12 Volt motors VA0164 and VC0468 previously used in Ventline Roof Vents, Fans, and Range Hoods.
- 2) When replacing motors VA0164 or VC0468, the Fan Blade must be replaced. Contact Ventline for the proper Fan Blade for your Ventline product.
- 3) Contact Ventline Technical Support if you need help with disassembly to access the motor in your Ventline product.

### CAUTION!

- Before beginning motor replacement procedure, make sure power has been disconnected from the Ventline product.
  - If you are unable to follow the instructions below or are uncomfortable with electrical wiring or operation of power tools, please have this installation procedure performed by a qualified electrician or technician.
1. Verify that power to the product has been disconnected as described above.
  2. Disassemble to gain access to the motor.
    - a) For Vanair Roof Vent: Access is achieved from above by removing the two (2) screws that attach the Dome to the Vent.
    - b) For Roof Ventadomes: Remove the Screen Frame.
    - c) For Range Hoods: Remove the Grease Filter
  3. **If the motor you are replacing is VD0218-00, skip this step.**

**For replacing VA0164 and VC0468 with BVD0218-00, the Motor Bracket must be drilled for the properly spaced holes to mount the BVD0218-00 (The existing holes in your Motor Bracket are spaced .98" center to center and the BVD0218 requires holes spaced .63" center to center.)**

    - a) Pull the fan blade off the motor shaft. Remove the old motor from the bracket. Cut the black and white wires as closely to the old motor terminals as possible. Cut these wires and the supplied black and white wires to the proper length and strip to allow joining together. Join black to black and white to white, in accordance with applicable codes and standards.
    - b) Attach the supplied Drill Template to your Motor Bracket by inserting the two (2) #6-32 x 1/2" Thread Cutting Screws through the Template and into the existing mounting holes in the Motor Bracket. Tighten snugly. Using a 3/32" drill bit, drill a pilot hole through the template holes. Next, using a 1/8" drill bit, drill through the template holes. Remove the Drill Template from the Motor Bracket.
    - c) Mount the new motor with the two (2) supplied mounting screws. Connect the supplied black and white wires to the new motor with black connecting to the terminal marked by a red dot. Install the fan blade and reassemble the product. Restore power to the product and test operation of motor.
  4. **If the motor you are replacing is VD0218-00, pull the fan blade off the motor shaft. Using a pair of Needle Nose Pliers, remove the black and white wires from the motor terminals. Using a small Phillips Screwdriver, remove the two (2) mounting screws from the old motor and set aside. Mount the new motor with the two (2) mounting screws. Connect the black and white wires on the new motor with black connecting to the terminal marked by a red dot. Install the fan blade and reassemble the product. Restore power to the product and test operation of motor.**