

# SNOW GLOW®

## Double Vent Light Kit Installation Instructions

PATENTED

Thank you for purchasing the *Snow Glow® Double Vent Light Kit*. We have made every effort to ensure high quality, long lasting, custom lighting for your snowmobile. These kits have the same durability as the Snow Glow® Running Board Kit made for snowmobiles. If you should need any assistance, please feel free to contact us at (218) 390-8519.

### **Your Snow Glow® Double Vent Light Kit is Made with Pride in the U.S.A.**

Please read all of the following instructions before attempting to install your *Snow Glow® Double Vent Light Kit*. If you do not feel comfortable installing your kit after reading all of the instructions, please leave your installation to a qualified snowmobile dealer or shop.

#### **EACH KIT CONTAINS:**

**2 - 18" Neon light tubes**

**1 - Dual Filtered Voltage Regulator**

**1 - Transformer (smaller electronic box)**

**Tie wraps**

**4 - Mounting Clamps**

**2 - scotch lock wire taps**

**3 - butt connectors**

**1 - Wire harness**

**3 - button connectors (1extra)**

Note: If you purchase both a Snow Glow Running Board Light Kit and a Snow Glow Double or Single Vent Light Kit you will **not** receive a Voltage Regulator in this kit unless purchased at a dealership.

**MOUNTING THE NEON TUBES:** Your vent lights may be mounted in a vertical position, casting indirect light through several vents or in a horizontal position, focusing most of the light through a particular vent. **Make sure that there is ample space between exhaust pipes and the light tubes to ensure safe operation.** Most mounting can be done by utilizing the supplied tie wraps to attach the light tubes to the vent snow screens, or by drilling 1/8" holes in the snow screen tabs and secure the light tubes with the supplied tie wraps. Mounting can also be done with the use of high quality silicone, purchased from a local hardware store. When using silicone, clean surfaces thoroughly and use a generous amount. Good Tip: "Hot Glue" may be used to keep tubes in place, then apply silicone generously over the dry hot glue. Be sure to leave the sled in a warm environment until the silicone sets to full strength. An alternative mounting method is to use the supplied metal clamps.

**IMPORTANT NOTICE:** It is very important to mount your neon tubes far enough away (at least 3/4 inch) from the exhaust pipes. When in doubt, run the snowmobile and check the tubes periodically. If the outside acrylic or the end caps show signs of disfiguring from excessive heat, wrap these areas with self adhesive aluminum foiled insulating tape, available at most hardware stores.

#### **MOUNTING THE TRANSFORMER:**

Once the vent light tubes are mounted, choose a location near the light tubes to mount the transformer using tie wraps, double-faced tape or mounting screws. When mounting the transformer with adhesive tape, make sure the mounting surface is clean and warm. Clean the surface with isopropyl alcohol and warm the mounting surface carefully with a hair dryer or heat gun. The adhesive tape will work best on metal or smooth surfaces. Once the transformer is mounted, use the provided butt connectors to connect the grey high volt wires from **one end of each tube** to the heavy high volt wires from the transformer. Butt connect the remaining wires from the other ends of the tubes together to complete the circuit. (Figure 1).

**IMPORTANT NOTICE:** Excess high voltage wire between the transformer and light tubes may be shortened, but **NEVER** lengthened (see wiring diagrams). **DO NOT "coil up" or loop excess high voltage wire between the light tubes and transformer!** (You may coil up the excess thin red and black power supply wire)

**HOOKING UP YOUR POWER SOURCE (Without Snow Glow Running Boards):** Your Snow Glow® Double Vent Light Kit was designed to light up when the engine is running. This will require carefully routing of the wires attached to the Snow Glow transformer along the main wiring harness to where you mount the Snow Glow voltage regulator. This is the larger square electronic box with two heavy wires (yellow) coming out of one end and the red and black wires with the PIN connector on the other end. Mount the voltage regulator by screws or with a secure tie-wrap through each of the mounting tabs. Tap the two yellow wires into a 12-volt AC power source or onto the wires coming from the snowmobile factory voltage regulator using the scotch lock connectors. The 12-volt AC out lines are usually found by tapping one of the Snow Glow voltage regulator **yellow** wires into the yellow line coming off of the snowmobile factory voltage regulator should tap into the **brown** wire on the snowmobile factory voltage regulator. Consult your dealer to find out if your snowmobile has an accessory plugs that can be tapped into. Other model machines such as Ski-Doo have voltage regulators difficult to access. You should tap the voltage regulator white wires into the solid yellow and yellow with black tracer wires coming out of the engine harness on Ski-Doo machines. Never tap into a yellow with red line wire to power your Snow Glows. These wires usually carry from 60-80 volts and will damage your Snow Glows™. If in doubt where to find your 12-volt AC power source, **we urge you to contact your dealer or use a test meter.** When the voltage regulator is hooked up, you may turn on your Snow Glows and they will light when your engine is running.

### HOOKING UP YOUR POWER SOURCE (With existing Snow Glow Running Board Lights):

Using the included wire harness, connect the two separate lines coming off of it to the transformers. Connect the red wire to the red tagged wire on the transformer using one of the provided button connectors. Insert each wire fully into the connector without stripping the insulation off. Visually check to ensure the wire is inserted fully. Once confirmed, depress colored button with a pliers to make connection. Each connector is filled with silicon to help waterproof and seal your connection. Repeat for the black wire connections. If your existing harness has an auxiliary power hook-up for vent lights, simply plug the white pin connector in, if not tap into the existing red & black wires which run directly to your transformer which feeds your running board light. Observe color matching and connect using the provided scotch lock connectors. This will allow your vent lights to be operated with the use of the existing toggle switch. Note: Check your fuse at this point. A minimum of a 5 Amp fuse is required. Some running board kits were supplied with a 3 Amp fuse.

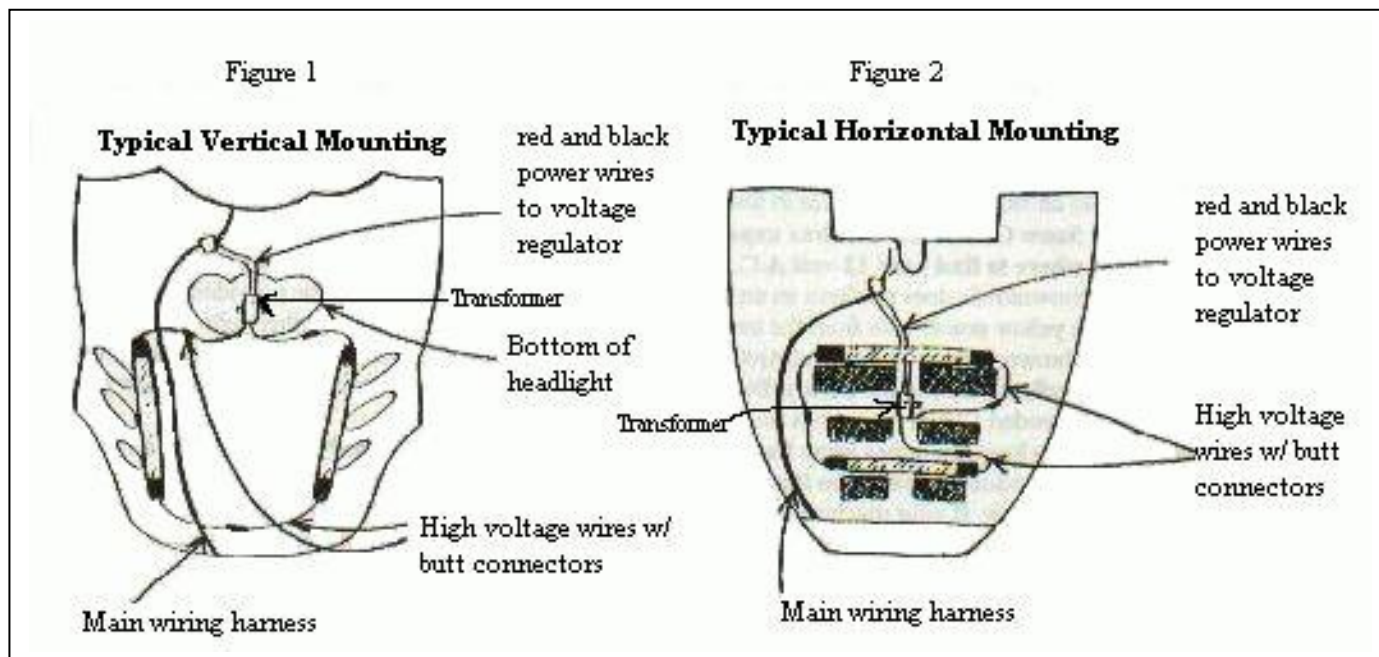
### INSTALLATION TIPS:

1. Always wrap connector splices with high-quality electrical tape to ensure good non-shorting connections.
2. Caution should be always taken to avoid inadvertent contact with high-voltage wire.
3. It is recommended to use isopropyl alcohol to clean off any oil or grease film before heating and applying the supplied adhesive tape on the electronic boxes.
4. Soldering and heat shrink tubing is always recommended in place of connectors.

**NOTE:** Some models of snowmobiles have headlights with clear bottoms, allowing clear light to be cast into the engine compartment. This light can be eliminated by covering the bottom lens with a couple layers of duct tape (or similar material) or you can carefully paint the bottom of the headlight lens. This will make the vent lights appear brighter.

### WIRING DIAGRAM

**Note:** Diagrams do not show where the voltage regulator mounts as this may vary.  
Always keep the transformers close to the neon wiring as shown.



Enjoy the beautiful look and the added safety that your Snow Glow® Double Vent Light Kit will bring you!

If you have difficulty with your Snow Glow products please contact Snow Glow directly at 218-390-8519.