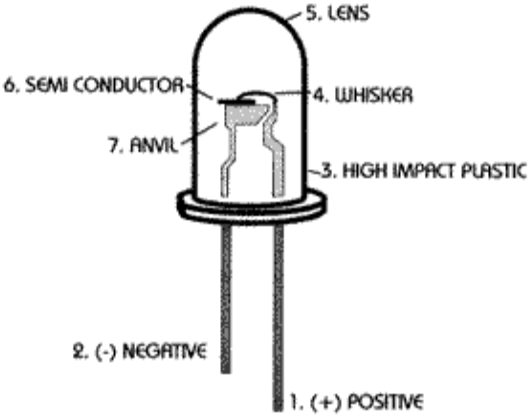
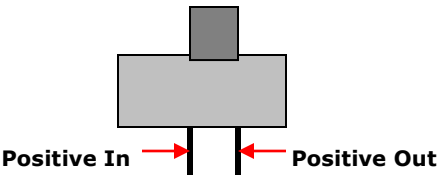
3312 Hoover St, Redwood City, CA 94063
650-568-3400
www.voodoofx.com

(General Led Diagram)



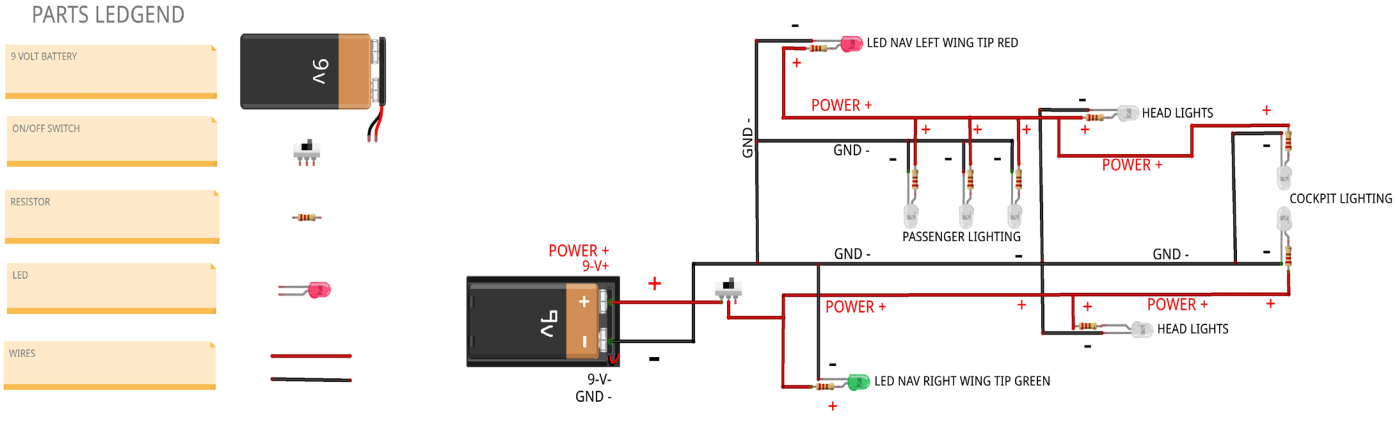
(General On /Off Switch Diagram)



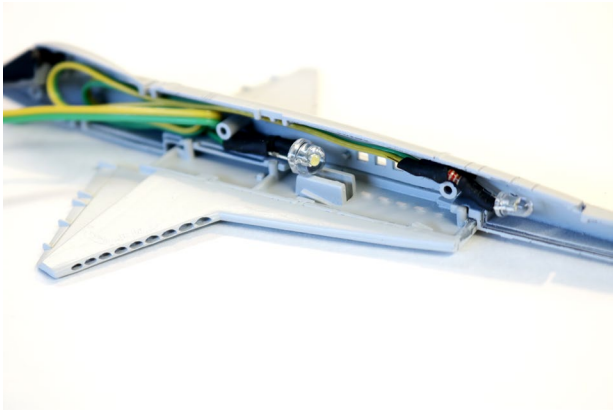
(ORION III LIGHTING KIT)

General Install Instructions Ver1:
Start by un packing the electronics parts & getting your self familiar with both model & electronics. There are four main zones that could be lit, Nav, Head Lights, Passenger Area & Cockpit. The lighting system is based on using inline resistors per each led. In the 1/72 scale version you will be using 1-1.8mm red & 1-1.8mm green leds for the wing tip nav lighting & 2-1.8mm whites for the head lights. In the 1/350 scale the nav & head lights are **NOT INCLUDED** due to the small scale of the kit, both versions included passenger lighting & cockpit lighting. The passenger area uses 3-3.0mm warm white leds spaced evenly on the upper ceiling part provided in the kit (see photos). The cockpit uses 2-3.0mm warm white leds mounted in the lower area of the cockpit side walls. In the 1/350 scale version you will use 1-4.8mm warm white led mounted in the center passenger windows, same set up for the cockpit. Protect the clear parts of the exterior windows by masking them off, the sanding of the interior clear part creates diffusion, this will help transmit the lighting to the outer window areas. You are now ready to complete the model build up and pre prepare for the lighting install, you will need to apply light blocking technique on the inside of the plane to prevent light leeks. This model is best built-in sections, so what this means is all the electronics will be pre-built & fit into model body as your assembling the kit. This model will not support a battery source inside the model. Pre test all the lighting before making any finial closing of the model halves.

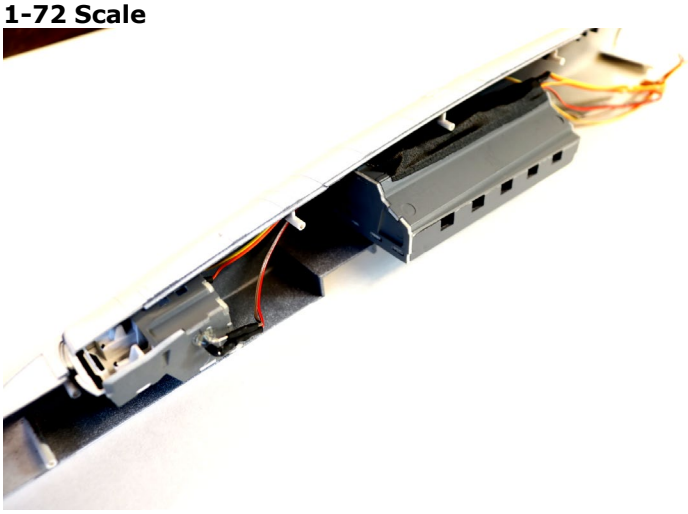
ORION III LIGHTING KIT WIRING DIAGRAM

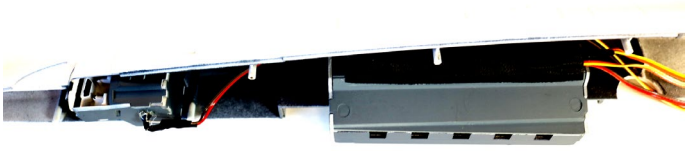


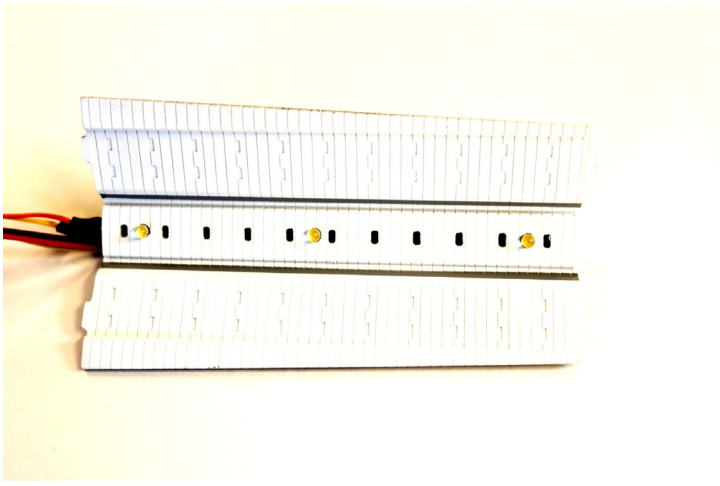
1-350 Scale

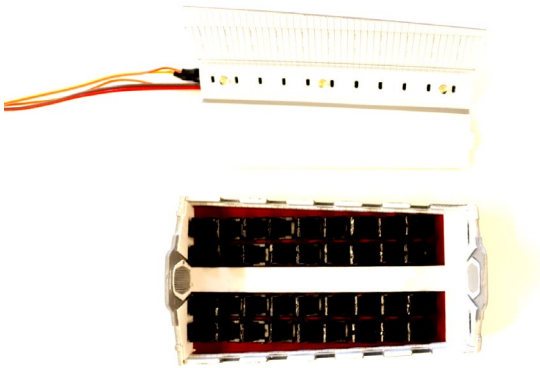


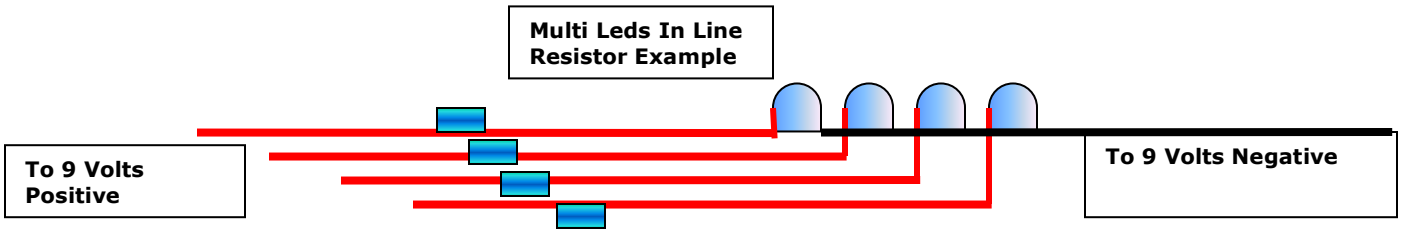
1-72 Scale



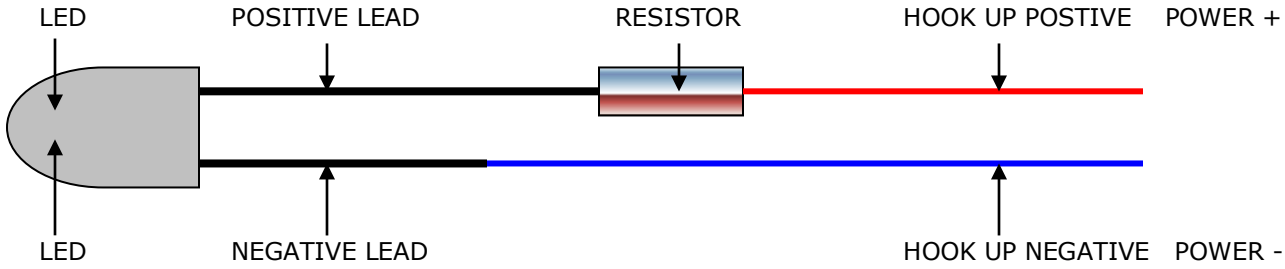




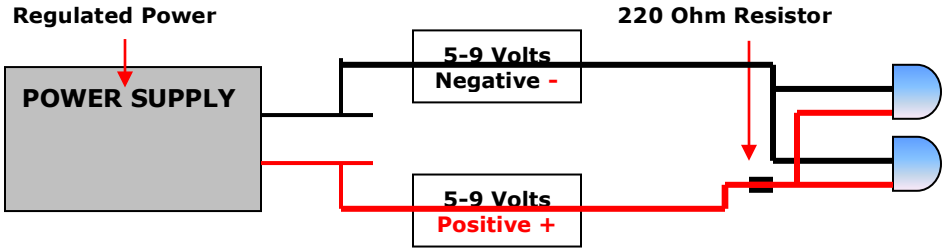




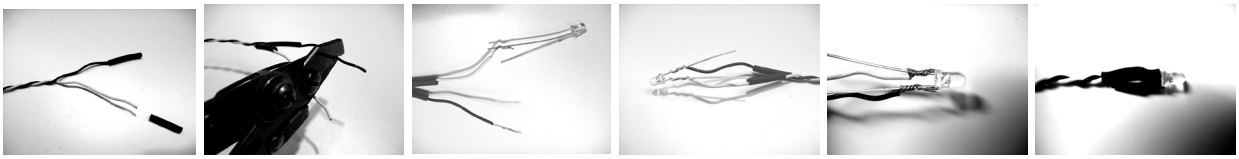
General Instructions For Inline Resistor Hook Up:
Here is the hook up diagram for high output circuit board or direct power hook up. Each separate led will need a resistor in order to prevent overdriving the led, if not protected with a resistor the led will burn out under direct power hook up. Solder all wire connections properly; please study the hook up diagram below and repeat the process for each used led.



TWO LEDS ON 1 RESISTOR / INLINE RESISTOR DIAGRAM: ENGINES



(How to Make a Wired Led)
1- Separate the two wires. Pick what color will be positive+ and what color will be negative-.
(Example) Lighter color is positive+, darker color is negative-. This will apply to any color, you make the choice.
2- Slide on two pieces of shrink tubing 1/8 - ¼ "long, Slide past area where wire coating will be striped off.
3- Strip back the protected coating and expose the bare wire, 1/8 – ¼" is about enough to wrap around the led leads. Twist bare wire together until it is a tight, stray wire or fray will get in your way later, the tighter the better.
4- Wrap wire around led leads and slide forward to led base. Solder and cut off excess leads.
5- Slide shrink tubing over soldered wire and led, heat shrink tubing to finish process. NOTE: Shrink tube all bare wire connections.



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If you are having problems call VoodooFX.
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