

# Installation Guide (8 Heads)

## Safety First

The Strobe Power Supply can be installed in many different types of vehicles. Important information is contained herein that could prevent serious injury or damage; the installer must read this manual completely before installation.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics.
- When drilling holes, the installer **MUST** check both sides of the mounting surface to be sure that no vital vehicle components/parts could be damaged.
- Do not install where it'll interfere with the air bag. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the **NEGATIVE (-)** battery post.
- If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows for easy and safe operation in any driving condition.
- It is recommended that this manual be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.

**FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

- I. Mounting Power Supply.** Mount on metal surface for heat dissipation and ensure that it's not exposed to water and to potential damage from unsecured or loose equipment.

**Warning:** This is a high voltage device, do not touch or remove strobe light head while in operation. Wait at least 10 minutes after disconnecting from its power source before starting work or troubleshooting.

- II. Installing Strobe Heads.** Install in head lights, tail lights or signal lights by drilling 1 inch holes. Route the harness from the Strobe Heads to the Power Supply.

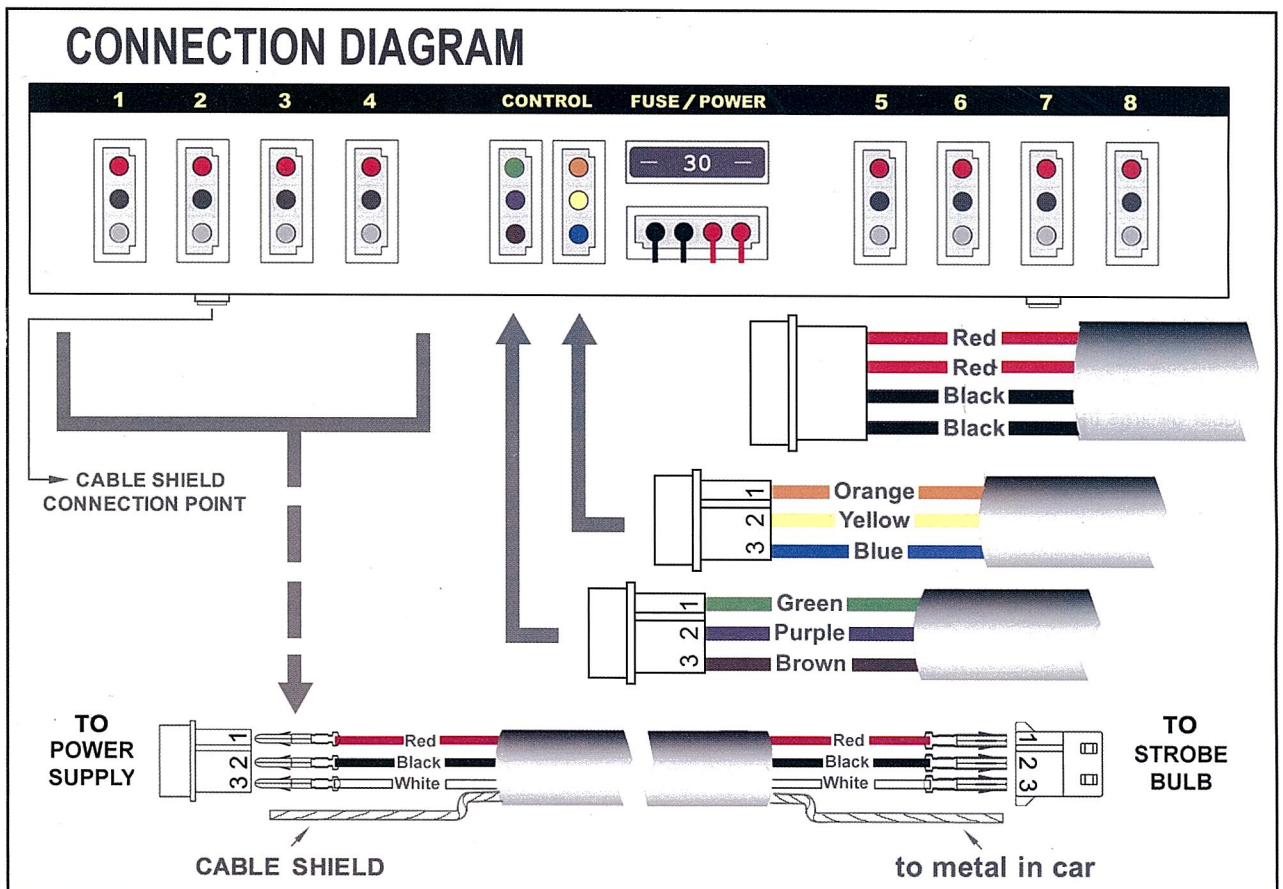
**Note:** Heads 1,3,5,7 flash at the same time; Heads 2,4,6,8 flash at the same time; Heads 1,3,5,7 alternate with heads 2,4,6,8.

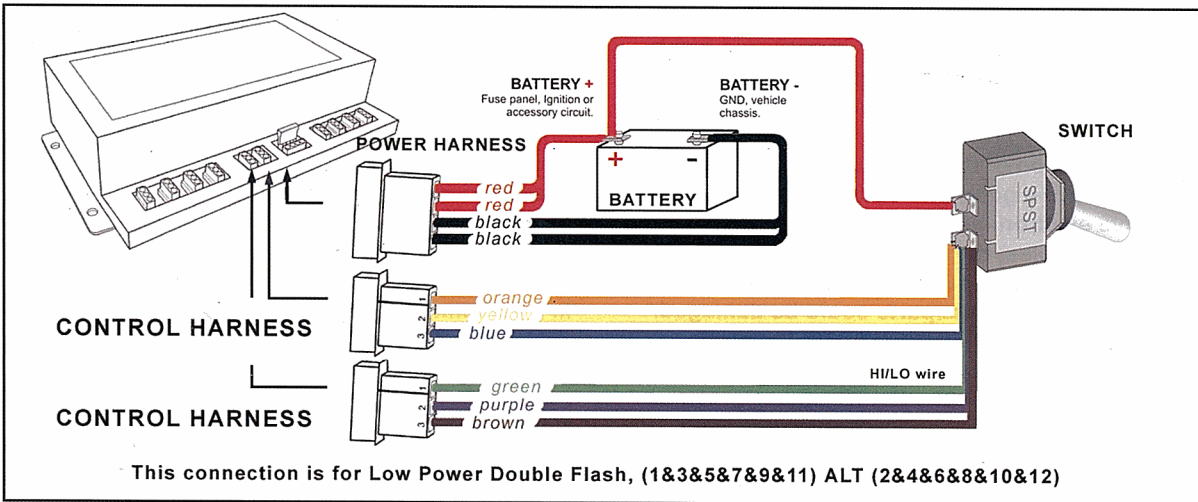
- III. Wiring Power Harness.** Connect **RED** wires to battery (+) or a fuse (at least 30Amps); connect **BLACK** wires to battery (-) or directly to vehicle chassis. Connect **GREEN** (HI/LO) wire to the user-supplied switch.

**Warning:** All user-supplied wires, that connect to the positive (+) terminal of the battery, must be sized to supply at least 125% of the maximum operating current, and fused "at the battery" to carry the load!

**Note:** Use the correct size wire for power connections. The length of the wires determines the size needed.

- 1 to 7 ft. use 18AWG wire.
- 7 to 14 ft. use 16AWG wire.
- 14 to 25 ft. use 14AWG wire.
- 25 to 35 ft. use 12AWG wire.





IV. **Wiring Control Harness.** Combination of different wires (**ORANGE**, **YELLOW**, **PURPLE**, and **BROWN**) allow for different flash patterns; (see table). The **GREEN** wire from Power Harness enables High/Low Power function; (when off, it's at High Power, and when on, it's at Low Power). The **BLUE** wire is reserved for future function. The remaining unused wires may be removed or left in place for future alterations.

**Warning:** Do not activate flash patterns that power more heads than installed. (ie. Do not activate 8 heads with only 4 installed. And do not activate 4 heads with only 2 installed). This power supply will reduce output power when only 4 heads are activated.

| Flash Pattern |                       |                         |                        |                        |               |                         |
|---------------|-----------------------|-------------------------|------------------------|------------------------|---------------|-------------------------|
| FP#           | Brown<br>(Mega Flash) | Purple<br>(Quint Flash) | Yellow<br>(3, 4, 7, 8) | Orange<br>(1, 2, 5, 6) | Function      | Heads                   |
| 1             |                       |                         |                        |                        | SHUTDOWN      | SHUTDOWN                |
| 2             |                       |                         |                        | POWER                  | Quad Flash,   | (1&5) Alt (2&6)         |
| 3             |                       |                         | POWER                  |                        | Quad Flash,   | (3&7) Alt (4&8)         |
| 4             |                       |                         | POWER                  | POWER                  | Quad Flash,   | (1&3&5&7) Alt (2&4&6&8) |
| 9             |                       | POWER                   |                        |                        | SHUTDOWN      | SHUTDOWN                |
| 10            |                       | POWER                   |                        | POWER                  | Quint Flash,  | (1&5) Alt (2&6)         |
| 11            |                       | POWER                   | POWER                  |                        | Quint Flash,  | (3&7) Alt (4&8)         |
| 12            |                       | POWER                   | POWER                  | POWER                  | Quint Flash,  | (1&3&5&7) Alt (2&4&6&8) |
| 17            | POWER                 |                         |                        |                        | SHUTDOWN      | SHUTDOWN                |
| 18            | POWER                 |                         |                        | POWER                  | Mega Flash,   | (1&5) Alt (2&6)         |
| 19            | POWER                 |                         | POWER                  |                        | Mega Flash,   | (3&7) Alt (4&8)         |
| 20            | POWER                 |                         | POWER                  | POWER                  | Mega Flash,   | (1&3&5&7) Alt (2&4&6&8) |
| 25            | POWER                 | POWER                   |                        |                        | SHUTDOWN      | SHUTDOWN                |
| 26            | POWER                 | POWER                   |                        | POWER                  | Double Flash, | (1&5) Alt (2&6)         |
| 27            | POWER                 | POWER                   | POWER                  |                        | Double Flash, | (3&7) Alt (4&8)         |
| 28            | POWER                 | POWER                   | POWER                  | POWER                  | Double Flash, | (1&3&5&7) Alt (2&4&6&8) |

ALT: Alternates

**Note:** If user desires the capability of switching all the different flash patterns during operation, addition of a switch is required.