

12H180 Installation Guide

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.

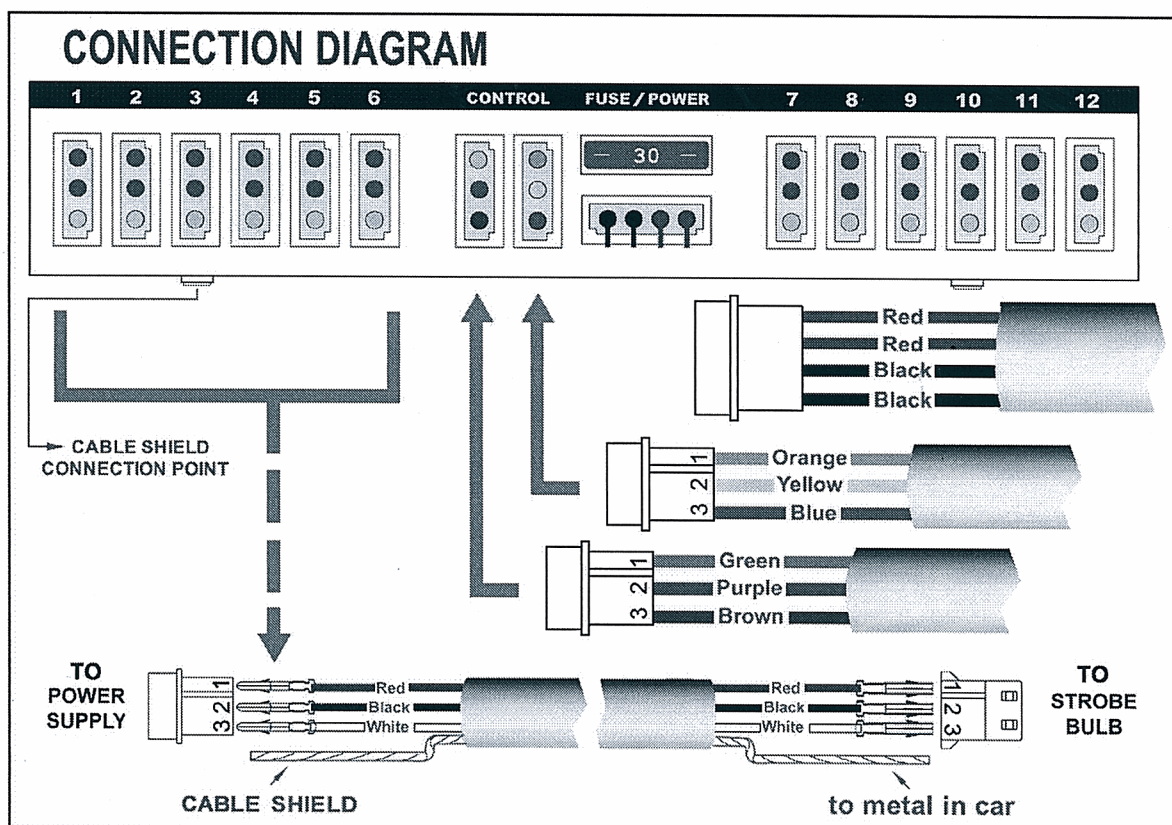
Note: Odd number Heads flash at the same time; Even number Heads flash at the same time; Odd Heads alternate with Even heads.

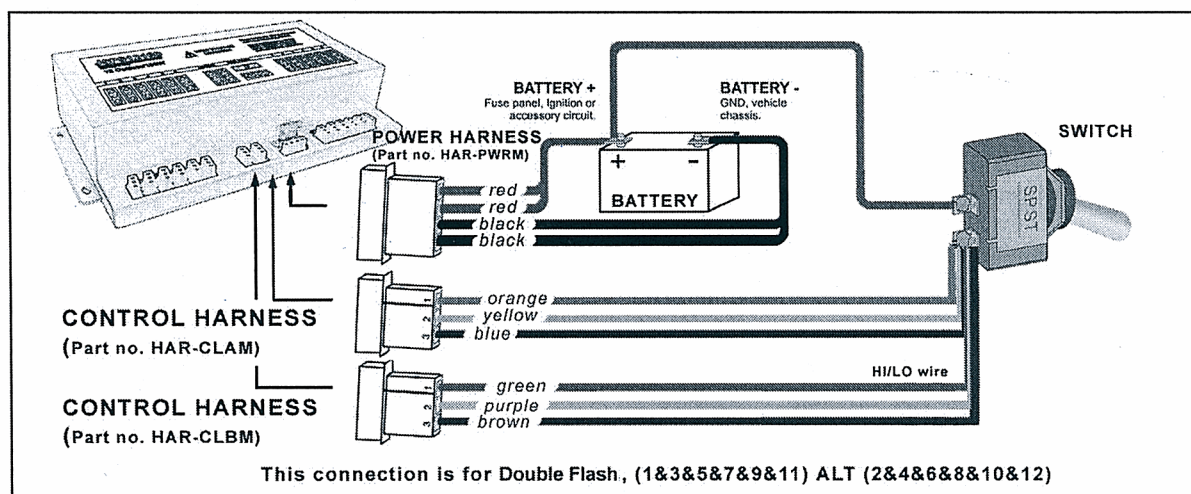
- III. Wiring Power Harness.** Connect RED wire to battery (+) or a fuse (at least 30Amps); connect BLACK wire to battery (-) or directly to vehicle chassis. Connect GREEN (HI/LO) wire to the user-supplied switch.

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, BLUE, 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 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 6 heads with only 4 installed. And do not activate 4 heads with only 2 installed). This power supply will reduce output power when only 2 outlets are activated.

Flash Pattern							
FP#	Brown (Mega Flash)	Purple (Quint Flash)	Blue (5, 6, 11, 12)	Yellow (3, 4, 9, 10)	Orange (1, 2, 7, 8)	Function	Heads
1						SHUTDOWN	
2					POWER	Quad Flash,	(1&7) Alt (2&8)
3				POWER		Quad Flash,	(3&9) Alt (4&10)
4			POWER			Quad Flash,	(5&11) Alt (6&12)
5				POWER	POWER	Quad Flash,	(1&3&7&9) Alt (2&4&8&10)
6			POWER		POWER	Quad Flash,	(1&5&7&11) Alt (2&6&8&12)
7			POWER	POWER		Quad Flash,	(3&5&9&11) Alt (4&6&10&12)
8			POWER	POWER	POWER	Quad Flash,	(1&3&5&7&9&11) Alt (2&4&6&8&10&12)
9		POWER				SHUTDOWN	
10		POWER			POWER	Quint Flash,	(1&7) Alt (2&8)
11		POWER		POWER		Quint Flash,	(3&9) Alt (4&10)
12		POWER	POWER			Quint Flash,	(5&11) Alt (6&12)
13		POWER		POWER	POWER	Quint Flash,	(1&3&7&9) Alt (2&4&8&10)
14		POWER	POWER		POWER	Quint Flash,	(1&5&7&11) Alt (2&6&8&12)
15		POWER	POWER	POWER		Quint Flash,	(3&5&9&11) Alt (4&6&10&12)
16		POWER	POWER	POWER	POWER	Quint Flash,	(1&3&5&7&9&11) Alt (2&4&6&8&10&12)
17	POWER					SHUTDOWN	
18	POWER				POWER	Mega Flash,	(1&7) Alt (2&8)
19	POWER			POWER		Mega Flash,	(3&9) Alt (4&10)
20	POWER		POWER			Mega Flash,	(5&11) Alt (6&12)
21	POWER			POWER	POWER	Mega Flash,	(1&3&7&9) Alt (2&4&8&10)
22	POWER		POWER		POWER	Mega Flash,	(1&5&7&11) Alt (2&6&8&12)
23	POWER		POWER	POWER		Mega Flash,	(3&5&9&11) Alt (4&6&10&12)
24	POWER		POWER	POWER	POWER	Mega Flash,	(1&3&5&7&9&11) Alt (2&4&6&8&10&12)
25	POWER	POWER				SHUTDOWN	
26	POWER	POWER			POWER	Double Flash,	(1&7) Alt (2&8)
27	POWER	POWER		POWER		Double Flash,	(3&9) Alt (4&10)
28	POWER	POWER	POWER			Double Flash,	(5&11) Alt (6&12)
29	POWER	POWER		POWER	POWER	Double Flash,	(1&3&7&9) Alt (2&4&8&10)
30	POWER	POWER	POWER		POWER	Double Flash,	(1&5&7&11) Alt (2&6&8&12)
31	POWER	POWER	POWER	POWER		Double Flash,	(3&5&9&11) Alt (4&6&10&12)
32	POWER	POWER	POWER	POWER	POWER	Double Flash,	(1&3&5&7&9&11) Alt (2&4&6&8&10&12)

ALT: Alternates

Note: If user desires the capability of switching all the different flash patterns during operation, additional switches can be used.