How to set-up the flasher system in the PCS-72FL

Thank you for purchasing the PCS-72-FL. In order to maximize the use of the system, we will review the system operation. The PCS-72FL is a 7 switch 2 relay system with a flasher unit built in. The unit has two relays controlled by the first two switches, the third switch turns on the flasher circuit and switch four, five and six are direct connect circuits. switch 7 is a momentary switch that changes the flash pattern.

We will discuss the system in the following order.

1. Two relay circuits
2. Three direct circuits
3. One flasher circuit and how to make it work in different configurations.

1. The two relay circuits are used for high current devices. The power for the device does not go through the switch, the switch is used to activate a high-power relay. The Switch uses smaller wire that only has enough power to engage the relay.

The two relayed circuits would be used for large light bars.

2. The three direct circuits the power goes through the switch then to the device. These circuits are best used for lower power devices like area lights, interior dome lights, whip lights, reverse lights, rock lights, stereo activate and intercom.

3. The Flasher circuit has both a right and left output, in this way you can create patterns that can go up and down or right and left or both. If set correctly you can flash curtain lights or make them stay solid without stopping other lights.

If you want to flash the lights that are on another switch so that you can make them solid or flash then you would install a jumper wire from one of the flasher circuits over to the light to be flashed, if you want to have multiple lights hooked up to each side of the flasher then you would need to install Diode jumpers so you can protect the flasher circuit from turning on all the lights.

<u>Sample</u>

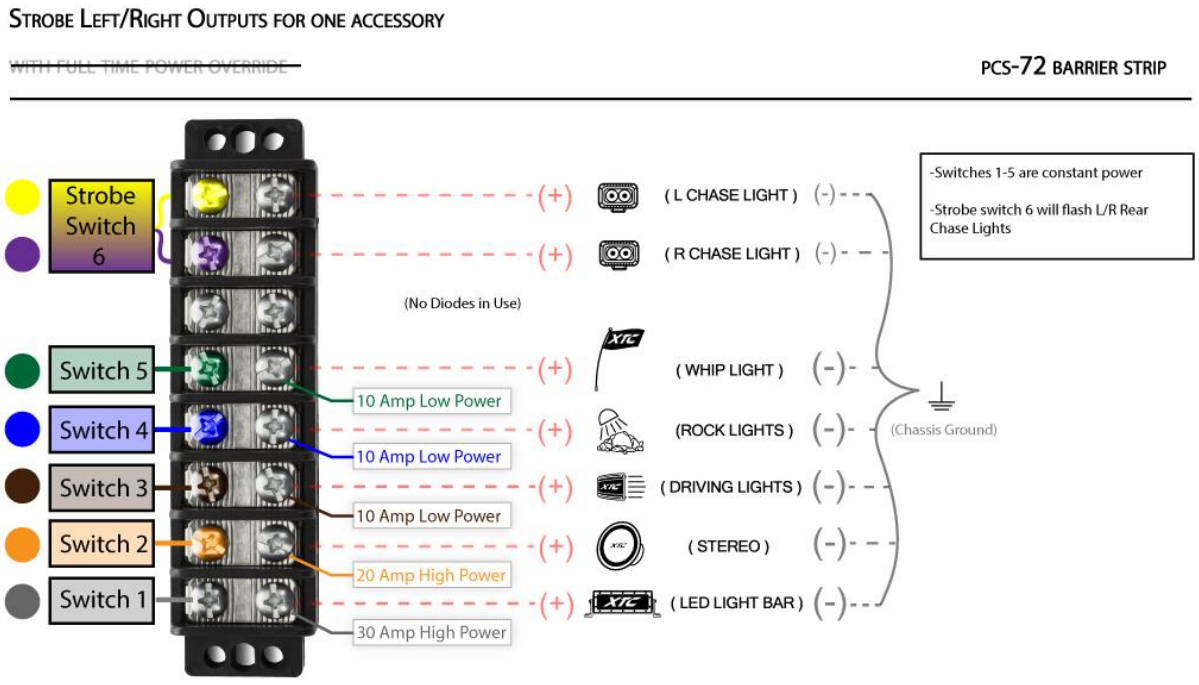
You want to flash four 3/4" lights - a right and left on the front and a right and left on the rear. The right channel lights would be hooked up to the yellow flasher output and the left channel lights would be hooked up to the violet flasher circuit. Next you want to flash your whip light and your rear backup lights, if you were to hook a jumper directly from the flash circuit to the other two circuits, when turned on the power from the solid switch would also light up the 3/4" lights. To solve this, you would install a Diode

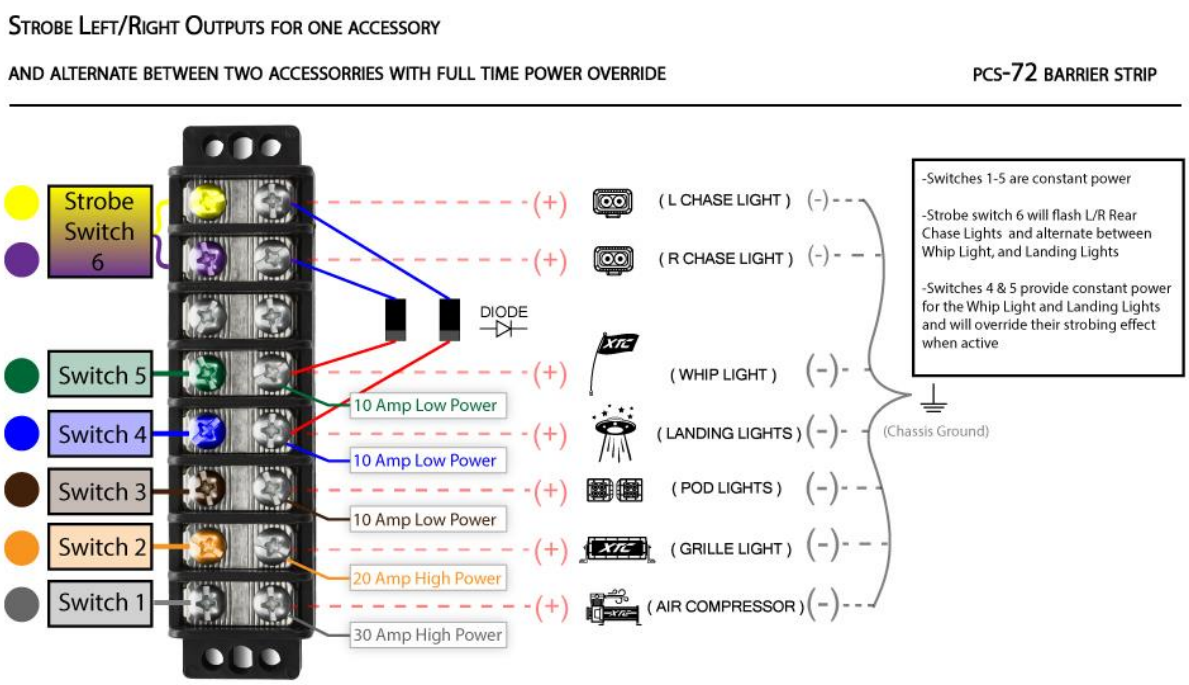
Jumper so that the flasher power can go to the whip, but the whip power cannot go back into the flasher circuit. The diode only lets power go one way.

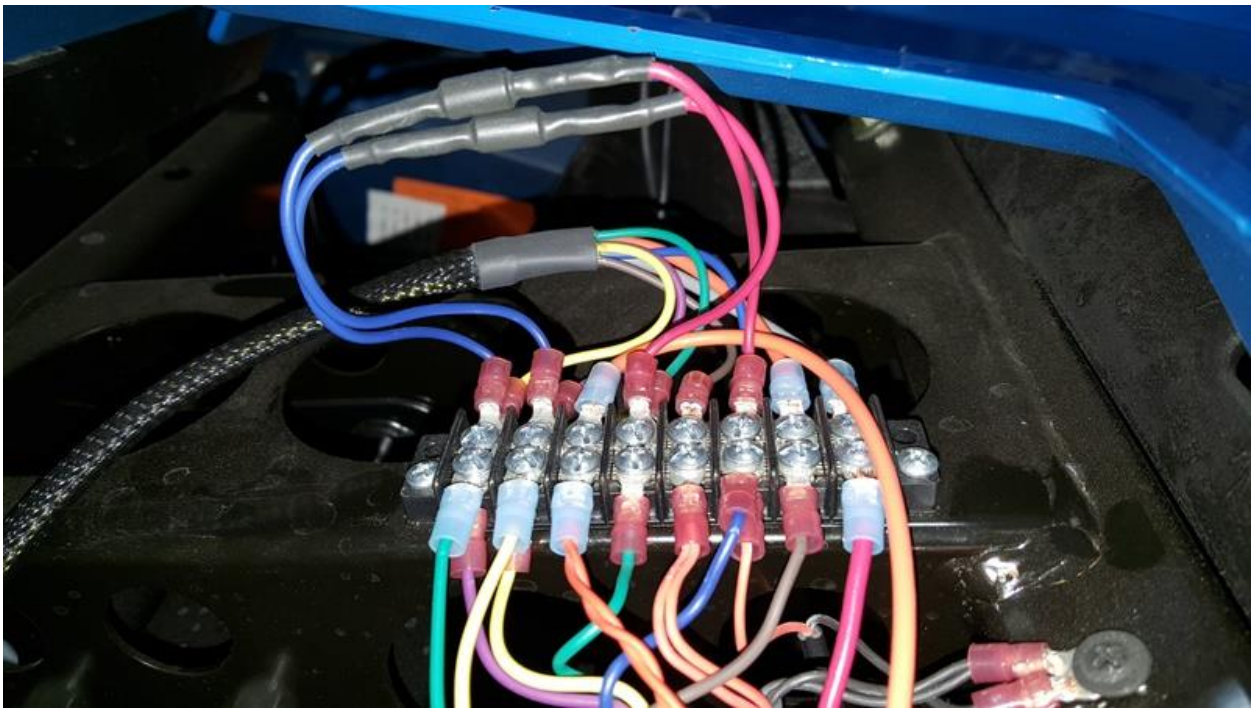
Attach the blue wire from the jumper onto either the left or right flasher circuit and the red power end goes onto the circuit you want to control, it's that easy!

NOTE: The flasher circuit only has 3 amps out on each side. Do not overload the flasher. A typical LED whip light uses under 1 AMP. Refer to the manufacturers information that came with the light.

Diode Jumper







Diode Jumper installation

Jumpers can be purchased on our website at www.xtcpowerproducts.com

More information on installation may be seen at http://xtcpowerproducts.com. For support on installation, we can be emailed at support@xtcpowerproducts.com or we can be reached by phone at 480-558-8588.

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