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## **L.E.D Lights**

### **Part #s: 80219, 80220, 80221, 80224, 80225, 80226**

When using LED replacements bulbs for turn signals you must have an additional load (incandescent bulb or resistor) on the circuit to make the flasher operate properly. For example, a vehicle with normal incandescent front bulbs and LED rear bulbs should flash properly but a vehicle without any front bulbs or with front and rear LEDs bulbs will not flash properly.

If your lights aren't flashing properly and you don't want to add an additional bulb you can install a 15 OHM 2 WATT RESISTOR in the circuit. Take either end of the resistors and splice them into the wires which feed the turn bulbs in the front of the vehicle. Then connect the other end of the resistors to ground. One resistor per side is required.

LED Bulbs.doc

07/01/04

## **Painless Performance Limited Warranty and Return Policy**

Chassis harnesses and fuel injection harnesses are covered under a lifetime warranty. All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.

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