

# **ECU®** Trouble Shoot Guide for Lamp Modules

Refer to the LTO2 or LTO4 application drawing and manual when using this guide.

Topics

[General things to check](#)

# General things to check

## 1. Lamps do not light

Be sure you have battery negative connected to lamps  
Be sure you have voltage on the input pin  
Be sure you haven't reversed the inputs and the outputs

## 2. Lamp test doesn't work

Be sure you have battery negative connected to lamps  
Be sure you have the lamp test input powered up with  
a voltmeter

## 3. How can I check the internal diodes

Check with an ohmmeter with the positive lead on the input and the negative on the output. You should get a connection. If not the input diodes may be blown. You can use external diodes 1N4003 to fix this problem. Just connect the anode to the input terminal and the cathode to the output voltage terminal.

## 4. I am still having trouble

Do not hesitate to call us at 317-849-8470