

WHELEN[®]

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Resistor Assembly Installation Guide BL5150A Taillight Flasher

Safety First

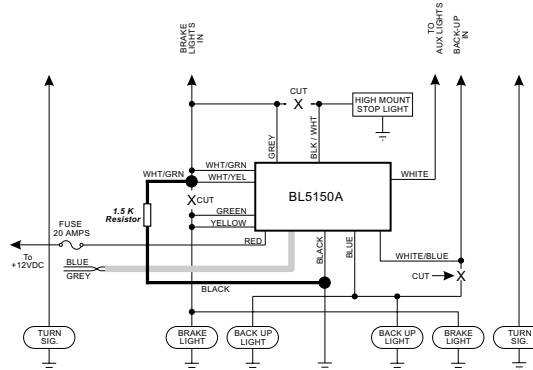
This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- **Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.**
- **If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.**
- **If this product is mounted with tape or Velcro™, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.**
- **Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owners 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 device is located in an area that allows both the vehicle and the device to be operated safely in any driving condition.**
- **Do not attempt to activate or control this device in a hazardous driving situation.**
- **If this product contains strobe light(s), halogen light(s) or high-intensity LED's, do not stare directly into these lights. Momentary blindness and/or eye damage could result.**
- **Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lens' in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.**
- **It is recommended that these instructions 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!**

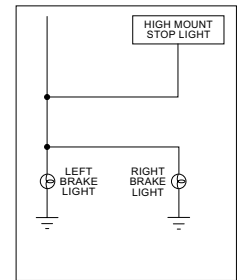
Using these schematic illustrations, determine your vehicle's brake light electrical system. After this has been determined, use the appropriate schematic and text information to install the resistor assembly(s) included with this kit.

Single Wire System...

1. Connect the WHITE/GREEN wire of the resistor assembly to the WHITE/YELLOW wire of the BL5150.
2. Connect the BLACK wire of the resistor assembly to the BLACK wire of the BL5150.

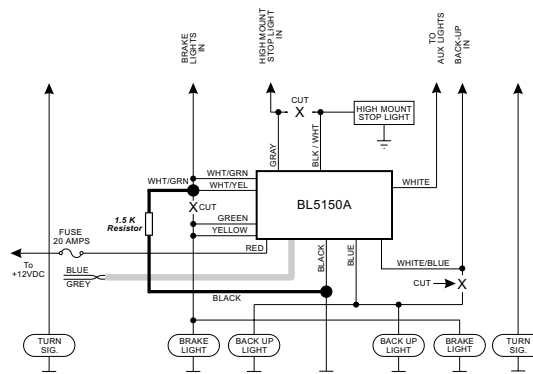


**FIG. 1
SINGLE WIRE
BRAKE LIGHT SYSTEM**

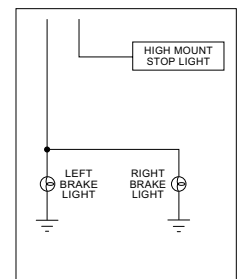


Two Wire System...

1. Connect the WHITE/GREEN wire of the resistor assembly to the WHITE/YELLOW wire of the BL5150.
2. Connect the BLACK wire of the resistor assembly to the BLACK wire of the UBF-5150A.



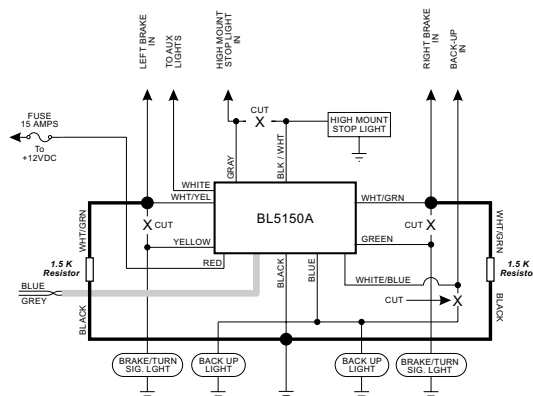
**FIG. 2
TWO WIRE
BRAKE LIGHT SYSTEM**



Three Wire System...

Note: This type of system requires the installation of 2 (two) resistor assemblies.

1. Connect the WHITE/GREEN wire of one of the resistor assemblies to the WHITE/YELLOW wire of the BL5150.
2. Connect the BLACK wire of this resistor assembly to the BLACK wire of the BL5150.
3. Connect the WHITE/GREEN wire of the remaining resistor assembly to the WHITE/GREEN wire of the BL5150.
4. Connect the BLACK wire of this resistor assembly to the BLACK wire of the BL5150.



**FIG. 3
THREE WIRE
BRAKE LIGHT SYSTEM**

