Thank you for purchasing Dragon Lights

*Unlike most stock light systems, where lights can only be seen from the front and rear, multifunctional Dragon Lights mount on the end of the handle bar where it can be seen from almost any angle. This feature enhances safety for you and those around you by displaying your intentions to other drivers and pedestrians in almost all directions. The responsiveness of the signal and brake lights of the LED are much quicker than conventional lights. Dragon Lights also feature selectable safety light color. Displaying ultra-bright crystal lights with unconventional colors, not only make your vehicle more appealing, it also increases the awareness of your vehicle for the other drivers, which creates safer environment for everyone. Dragon Lights function as a **safety, brake** and **signal light** all combined in a single unit.*

At Pleasantville distribution inc. we pride our selves in providing highest quality products in the market. **Your satisfaction is our goal**.

Patent Pending Pleasantville Distribution Inc.

WARRANTY

This warranty covers any defects in materials or workmanship for 90 days from the date of original purchase.
This warranty does not cover damage caused by misuse or use other than as intended and described in this product instruction manual, or loss or damage to any parts. If the purchased product has any defects in material or workmanship follow the return instruction below.

No Hassle 30 Day Return/Exchange Policy

All returns must be post marked within 30 days from the original date of Purchase. The Return Authorization does not imply a replacement or refund, but only that we will inspect the merchandise based on your claim. Returns must be sent freight prepaid and insured by you. Original shipping and handling charges are not refundable. A photo copy of your invoice showing the invoice number must accompany your return along with a written explanation and a contact phone number where we may be able to reach you. It is the responsibility of the customer/installer to verify the correctness of size and application of the parts before installation. The factory retains the right to replace the item with a similar item of equal or greater value provided returned item is no longer available. The returned item must be in same condition
as when it was purchased and complete in parts in the original retail package. If returned item does not meet the above conditions mentioned, we reserve the right refuse the package and or replace the returned item.

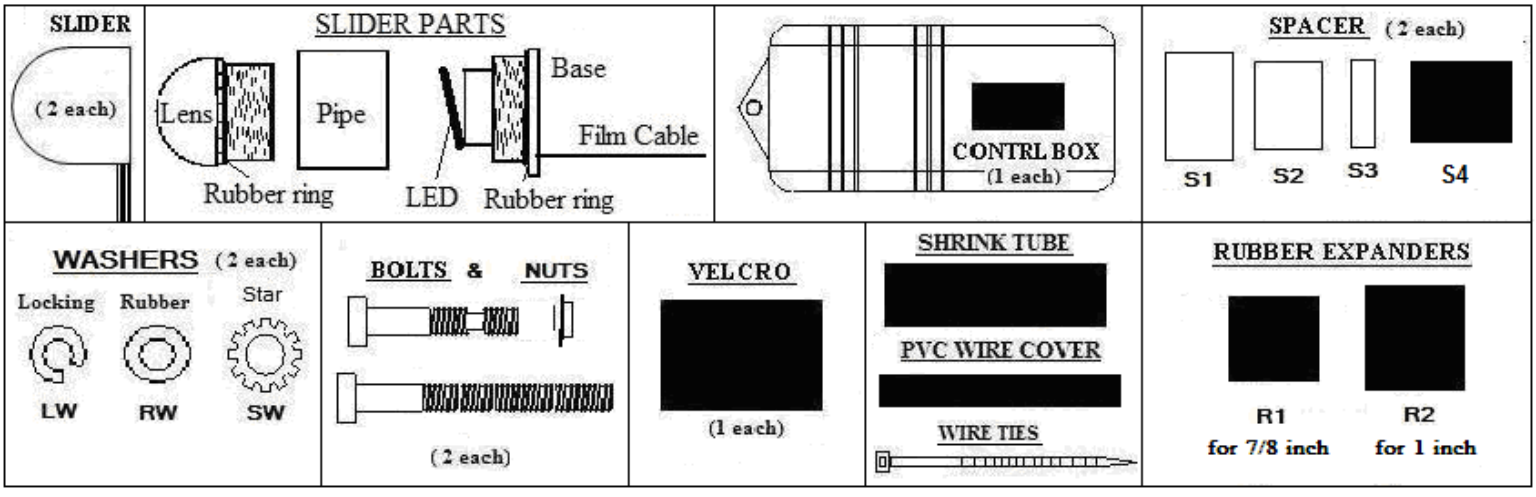
Return address:

Pleasantville Dist. Inc.
P.O Box 0341
Greenvale, NY 11548

Disclaimer

Pleasantville distribution inc. shall not be liable for any consequential or incidental damages whatsoever. Pleasantville distribution inc. liability is limited to replacement of the item(s) purchased. Unless otherwise note, all items are currently NOT DOT approved and are only for off road or show use. Use of these products may be limited, regulated, or prohibited in your state, please check with all applicable motor vehicle code and laws before installing**.** We are in working process to get Dragon Lights DOT approved. Contact :516-669-1538 Fax:516-801-6899

PARTS LIST



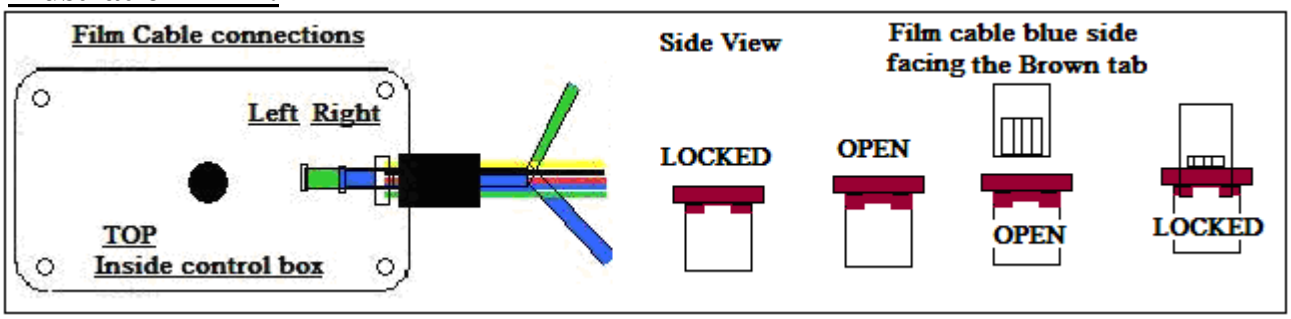
Step 1. Testing the Lights

First thing you should do is to test the lights to make sure the lights are in proper working order.

1. Open the Dragonlights box and pull out just the control box and the light end caps.
2. Open the control box by using small Philips screw driver and remove four screws on the bottom of the control box.
3. Temporary connect the film cable to control box for testing. **See Illustration T1.**

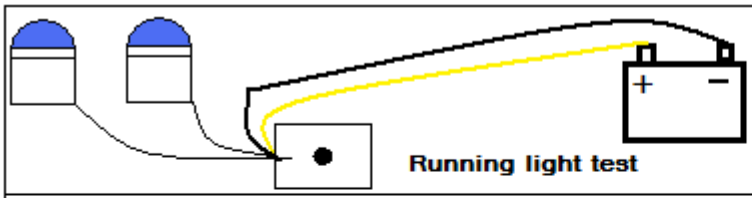
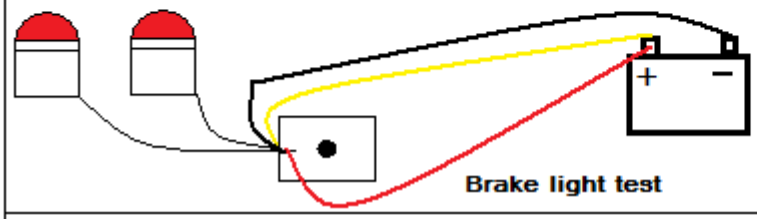
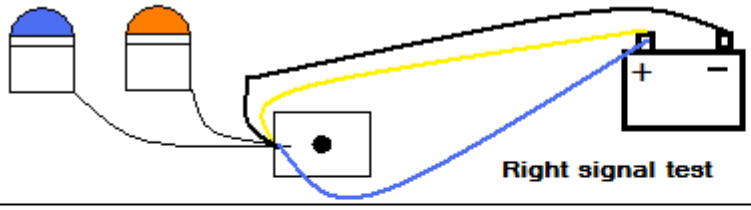
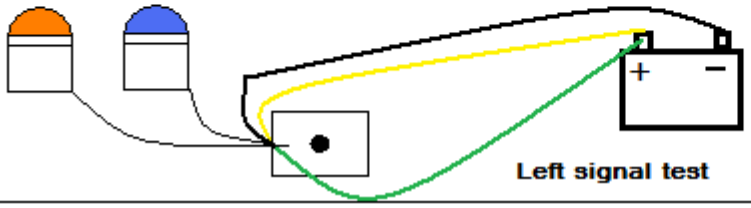
(NEVER CONNECT OR DISCONNECT THE LIGHTS WITH THE POWER ON, THIS CAN DAMAGE THE CONTROL BOX!!!)
Push the brown tab back in after you have inserted the film cable to lock in place.

Illustration T1.



Open the connector by pulling on the brown tab about 1/8 inch away from the board. Slide the end of the film cable straight into the connector with blue side of the film cable facing the brown tab the silver side should be facing the control button.

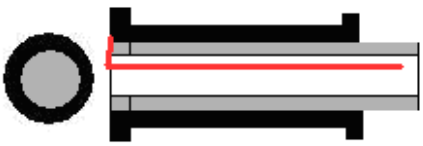
4. Test the lights by connecting the wires to the battery. **See Illustration Below.**

	Connect the yellow wire directly to the battery (+) terminal and connect the black wire to the ground (-) termial or to the body of the bike. Now press and release the button repeatly and see 7 different color. and one rotation mode then off mode.
	Set the running color to Blue or Green. With the Yellow and Black wire still connected, connect the red wire to the battery (+) Terminal. Both lights should turn RED.
	With the yellow and Black wire still connected, connect the Green wire to the battery (+) termianl. Right light should turn Amber.
	With the yellow and Black wire still connected, connect the Blue wire to the battery (+) termianl. Left light should turn Amber.

5. Now disconnect all wires and disconnect the film cable by opening the brown tab and pulling it out..

If the lights fail the test do not proceed. Call the service number at the bottom of this manual.

STEP 2. Preparing the grip.

G6	Heated with wires going through the bar 	Replace the grip with metal G4 or G5 grip. and follow the wiring through the handle bar method.	
G5	Kuryakyn Grips 	Without removing the grip 1. Remove the endcap. 2. Drill one of the four screw holes with 1/4" drill bit.	

3. For Left and right side: carefully cut open the rubber part of the grip leaving the heated element plastic pipe untouched.

4. For Right side:

Unscrew the ignition control unit and open the unit.
If your throttle cable disconnects and reconnects easily, then disconnect the throttle cable and remove the grip.

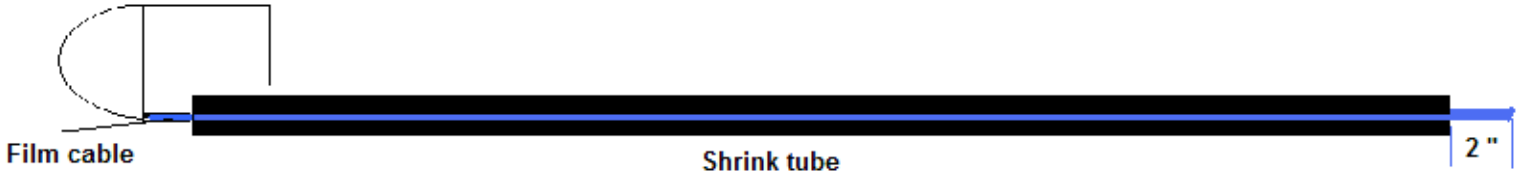
If disconnecting and reconnecting the throttle cable is really hard, you can try removing the grip with the throttle cable still attached to the ignition control unit by following the steps below.
Loosen or detach the handlebar mount and move the handlebar over to the left side to create enough slack of the wires on the right side.
Now try removing the grip and the ignition control unit with the throttle cable still attached.

STEP 3 Preparing the Dragonlights for installation:

1. Unroll and straighten out the film cable by holding the film cable at the light end with one hand and running your fingers through the film cable towards the open end.

2. Open the small rolls of shrink tube and measure against the film cable and cut it 2 inch shorter than cable.

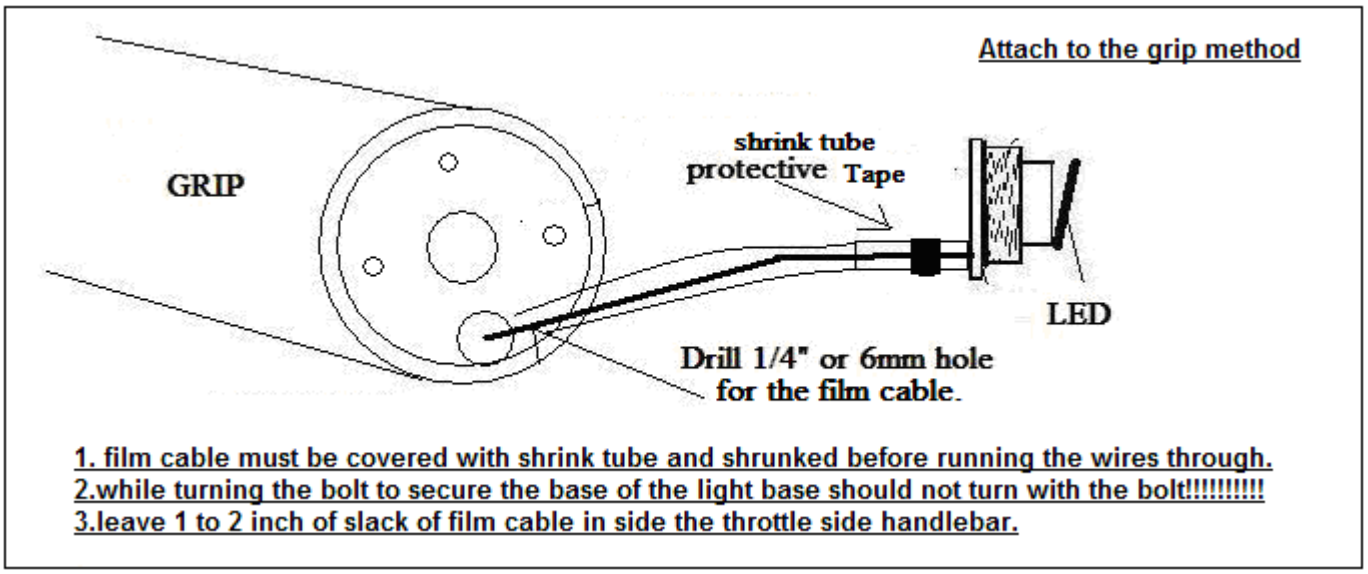
3. Insert the film cable into the shrink tube and use heat gun or a lighter to shrink it down to half size.



4. Unscrew and detach the lens and the pipe from both lights.

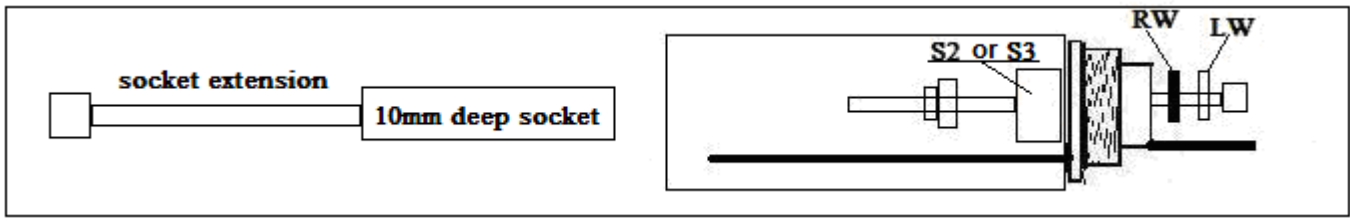
Step 4. Assembling the light parts and attaching to the grip

Grip type G5 --- attach directly to the grip :

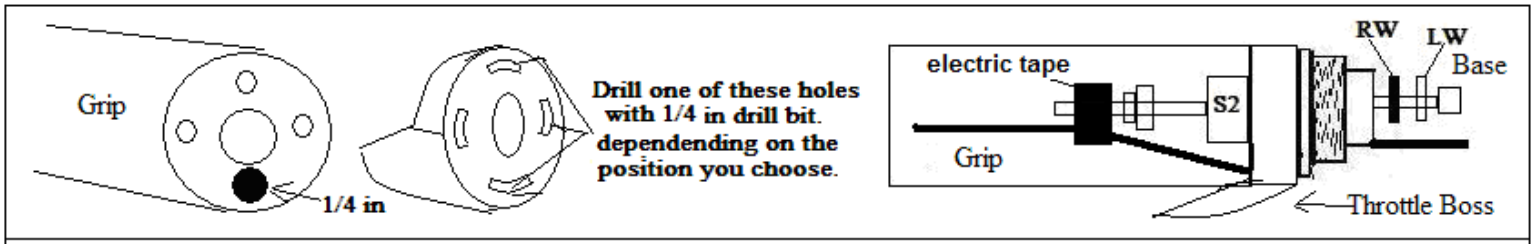


1. film cable must be covered with shrink tube and shrunked before running the wires through.
2.while turning the bolt to secure the base of the light base should not turn with the bolt!!!!!!!!!!
3.leave 1 to 2 inch of slack of film cable in side the throttle side handlebar.

*** Use 10mm deep socket with extender to tighten the bolt inside the grip while holding the other end of the bolt with 6mm Allen key. See below:**



For Kurakyn Grip type G5 with Throttle Boss:



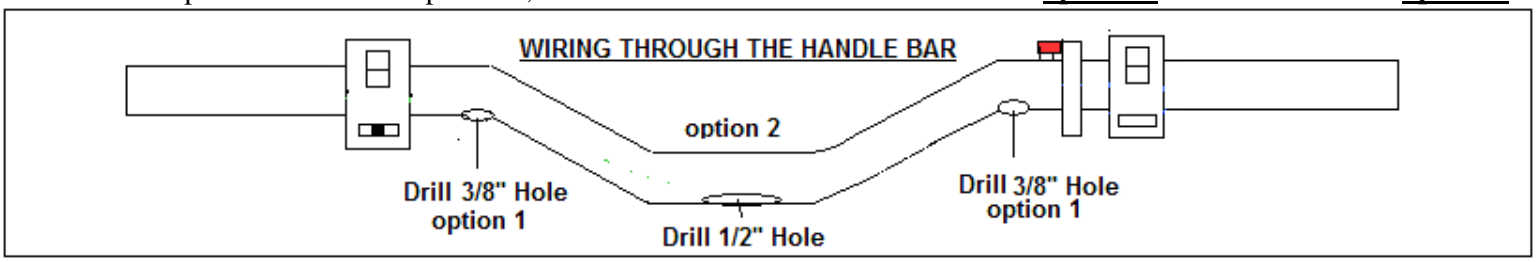
1. Align the 1/4" hole on the Throttle Boss with the 1/4" hole on the grip
2. Use the 3 screws that came off the end cap to secure the throttle boss
3. Run the shrink tube covered film cable through the aligned 1/4" hole.
4. Now secure the base of the light see section 1-2.

Option
For ISO grips : peel the rubber and wrap a tape around the film cable and the bolt after the nut to center the film cable.

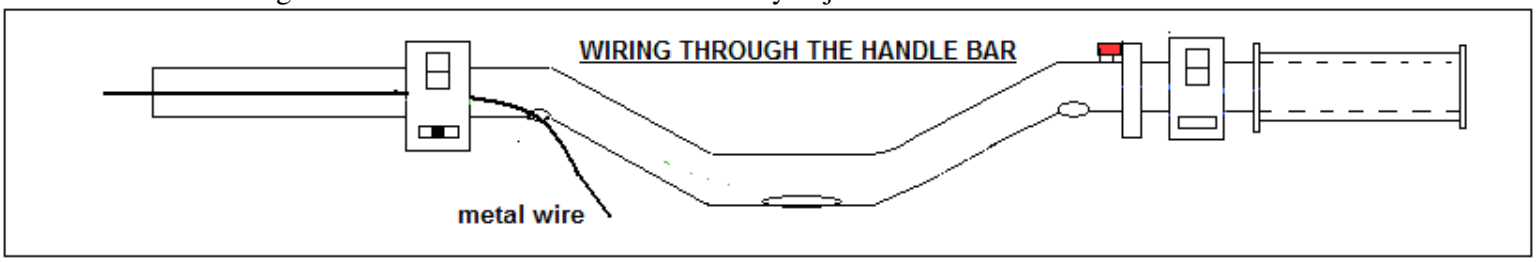
Step 5. Preparing the handle bar and running the wires:

Left side installation:

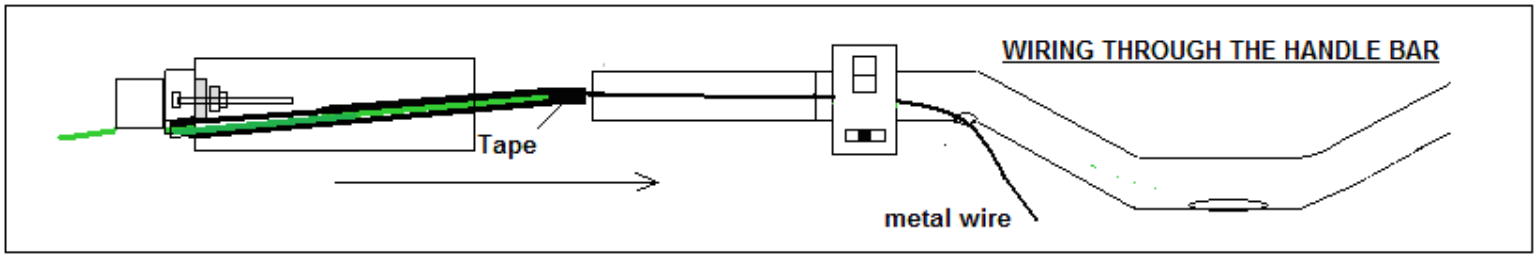
1. Use a metal punch to mark the spot then, Drill two 3/8 inch holes where shown as **option 1** or one ½ inch hole **option 2**.



2. Use metal cloth hanger or thin wire and run it from the hole you just drilled to the end of the handlebar for both sides.

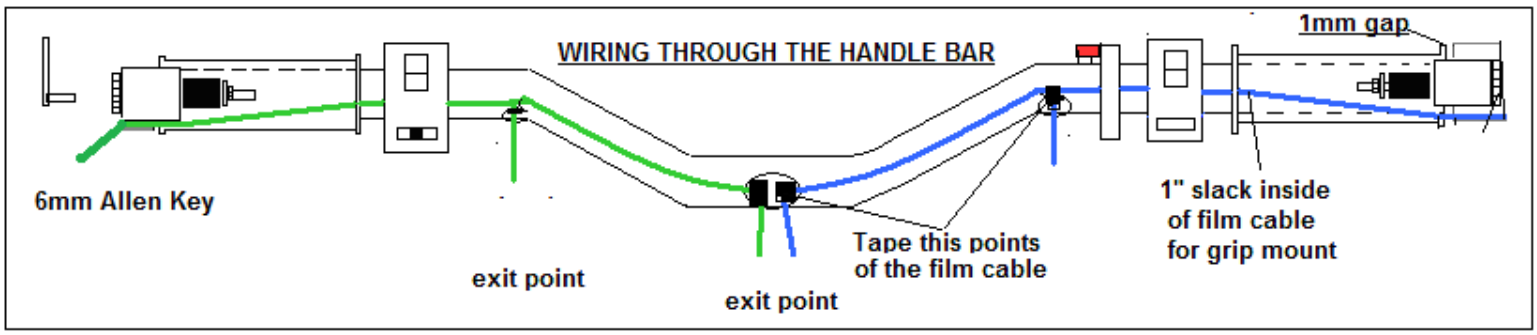


3. Tape the end of the film cable with the shrink tube covered to the end of the chasing wire with small piece of electric tape.
   Now gently pull it through until it comes out of the hole.
   Slide the grip with the light attached into the handlebar while gently pulling on the covered film cable.
   Remove the electric tape and separate the film cable from wire.



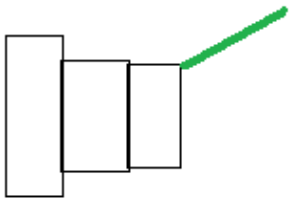
Right side installation:

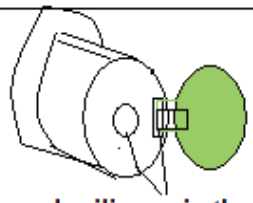
4. Repeat 2 and 3 from the left side installation apply to right side of the handlebar.
5. Make sure you leave about 1" slack of Film cable inside the handlebar on the throttle side.
6. If you disconnected the throttle cable reconnect it and remount the ignition control unit by tightening the screws.



6. For added protection, apply a little silicone in the hole where film cabe exits from the base and around the bolt.

Tape around the srink tube at exit point fo added protection for the film cable.

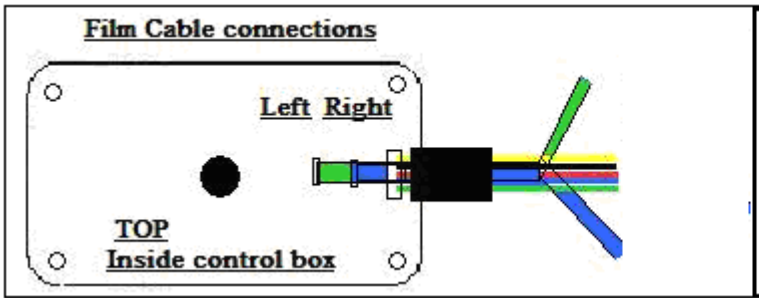


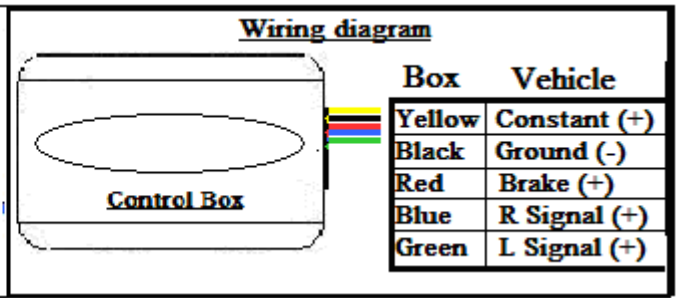


apply silicone in the base

7. Replace the pipe and the lens. (make sure the base does not turn while screwing the pipe and the lens.)

STEP 6 Connecting the control box wires to your vehicle light harness





If you are familiar with the location of you vehicles light wire harness tap it from there.
If you are not familiar with it, then follow the instruction below:

1. All wires except for Brake can be found inside of the wire harness that comes out from the left light control unit.

2. Cut open the left signal control wire harness about 2" long along the harness and expose the wires inside.

3. Using the 12Volt circuit tester, connect the clip end to the grounded body part of the bike.

4. Locating the wires needed.

A. Finding 12volt constant (+) :

A1. Turn the key to on position and start probing the wires by piercing the wire cover with the sharp pointy end of the tester.

A2. When the light on the tester turns on steady keep it connected, now turn on and off the hi beam, horn and the left and the right signal switch on and off, one at time and see if the light on the tester goes off. If the light goes out go to next wire until you find the wire where light on the tester stays on steady.
Color of the constant wire is usually Brown or Yellow with Red line.

B. Ground (-): Connect the BLACK Ground wire from the control box directly to the any bolt on the bike.

C. Left signal (+): Repeat step A1, then turn the Left signal on. Now look for the test light to start blinking. Once you find a wire that causes the test light to blink, keep it connected and turn the signal switch on the bike to off position and make sure the light turns off. Now turn the switch to the Right signal and make sure the test light does not start blinking . On most bikes the Left turn signal wire color is Black , Grey or Orange.

D. Right signal (+): Repeat step A1, but this time, turn the Right signal on. Make sure the test light does not blink when left signal is on. On most bikes the Right turn signal wire color is Blue or Lite Green.

*** There are wires that constantly blink independent of signal control, and there are wires that blink when signal is on left or right. These are not the wires you need. ***

**** The colors of the wires may be different, depending on the make and the model and the year of you bike.****

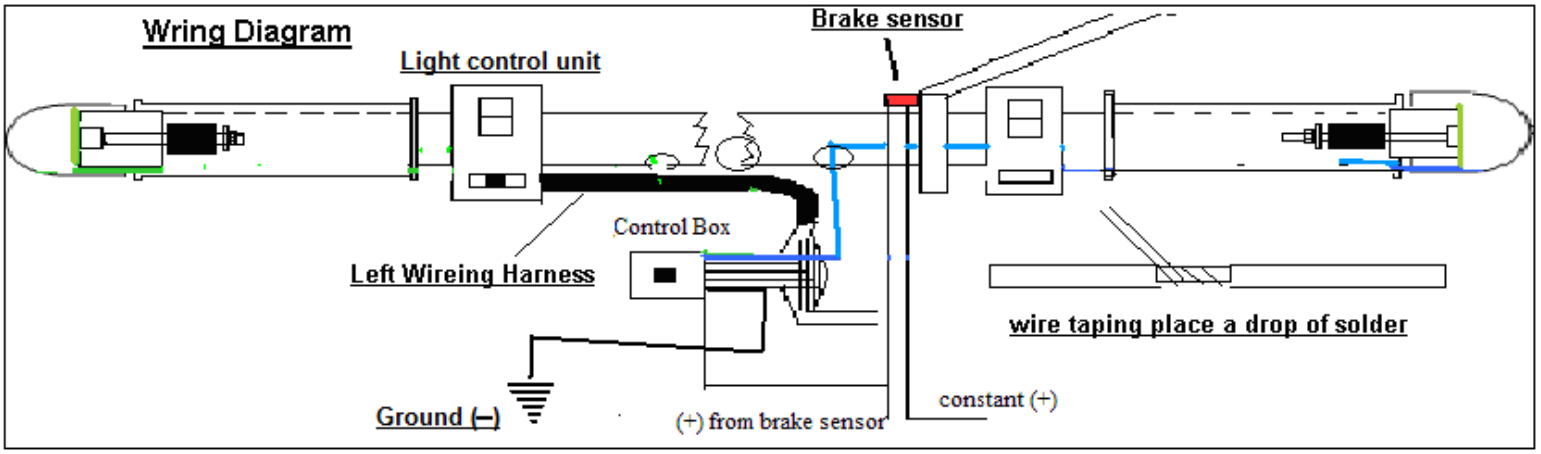
E. Brake: There are two wires connected to the brake level on the right side of your handlebar.
Unplug the connection and turn the key to the on position then test each wire. One of the two wire should be constant 12vt and the other should be switched. Connect the tip of the tester to the one that is not a constant 12vt. Apply the foot brake and check to make sure the light goes on only when brake is applied.

5. Find the location where you want to mount the control box and measure the length of the wires you need to make The connection to the wires you just found. Now cut the wires to the length you need and cover with shrink tube.

Choose a location for the control box around the front dash board, where wires has enough slack when full turn is made. There are optional extension wire set available.

6. Making the connections.

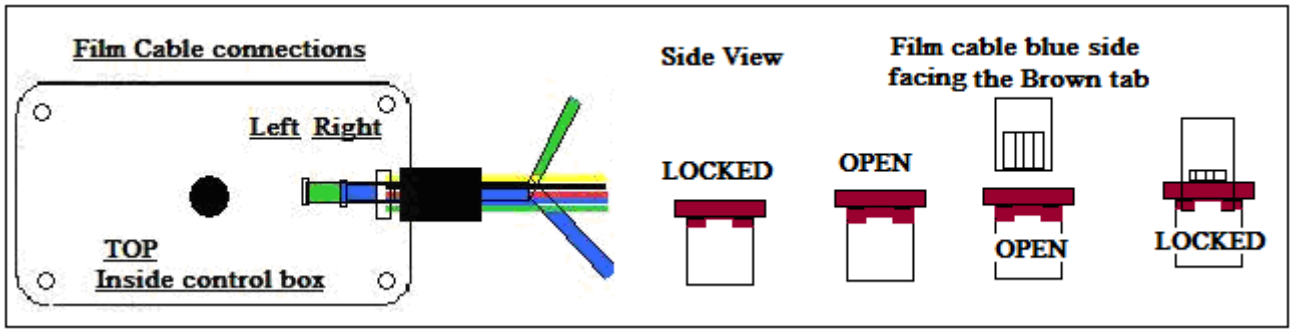
Important: Wires are to be piggy backed. So NEVER cut the wires from the vehicle. See illustration below.



7. Tape up all wires and harness tightly with electric tape and wire ties.

STEP 7 Connecting the film cable to the control box.

1. Open the control box by using small Philips driver and remove 4 small screws on the bottom.
2. Slide the film cables through the protective wire tube with blue tip side facing down. (**you can not see the blue side**)
3. Slide the Right side film cable first then slide the left side film cable on top of the right side cable.
4. Open the connector attached to the control box and insert the film cable to the corresponding sides.
(NEVER EVER CONNECT OR DISCONNECT THE LIGHTS WITH THE POWER ON, IT CAN DAMAGE THE CONTROL BOX !!! IF SHORT OCCURS WHILE CONNECTING)



5. Close the box and secure the cover with four screws from the bottom.
6. Attach the other half of the Velcro to the back of the control box and attach the box to the other Velcro.
7. Make sure all wires have enough slack. At full turn, the wires should not pull. Secure the wires with wire ties.

Using the control Box function
Press and release the button to change the color of the light, enter rotation mode and turn off running light.
Press and hold 3 seconds to turn on the flash mode (two flashes) and turn off the flash mode (one flash).