

**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**

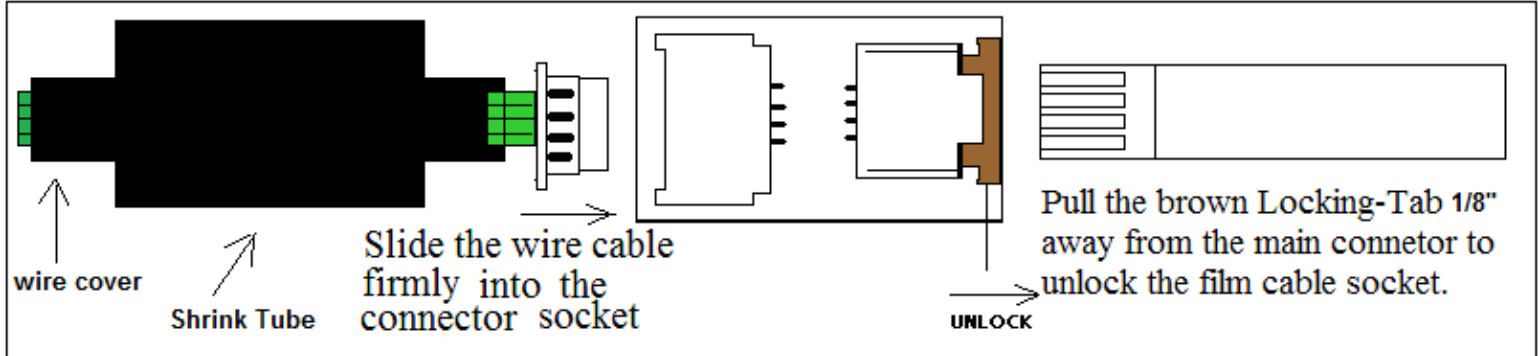
Pleasantville distribution inc. shall not be liable for any consequential or incidental damages whatsoever. Pleasantville distribution inc. liability is limited to replacement of the item(s) purchased. Unless otherwise note, all items are currently NOT DOT approved and are only for off road or show use. 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

<p><b>SLIDER</b> (2 each)</p>	<p><b>STAR WASH</b></p> <p>S1 S2</p> <p>8 x 4 6 x 4 (1 each)</p>	<p><b><u>PARTS LIST</u></b></p> <p><b>SPACER (2 each)</b></p> <p>#1 #2 #3 #4</p> <p>2mm 6mm 8mm 21mm (4 each)</p> <p><b>VELCRO</b></p> <p>(1 each)</p>				<p><b>CONTROL BOX</b> (1 each)</p>
<p>L1 (2 each) R1</p> <p>Locking Washer Rubber Washer</p>		<p><b>HEX HEAD BOLTS (2 each)</b></p>				<p><b><u>RUBBER EXPANDERS (2 each)</u></b></p> <p>13mm 17mm 20mm 15mm</p>
<p>8 x 40mm 6 x 75mm 6 x 60mm 6 x 50mm</p>						<p><b>WIRE TIES</b></p>
<p><b><u>PVC WIRE COVER (3 each)</u></b></p>			<p><b><u>SHRINK TUBE (3 each)</u></b></p>			

## 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 lay the parts out on the flat table. Now cut the two of the larger wire covers to the length of the blue and the green wires from the box.
2. Cover both wires with the wire cover by sliding the wires in to the cover tubes.
3. Slide the large Shrink tube over the wire covers.
4. Connect the lights to the connector and to the box for testing. See illustration below



3. Now connect the electrical wires to the battery to test the lights. 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.

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

### Illustration T1.

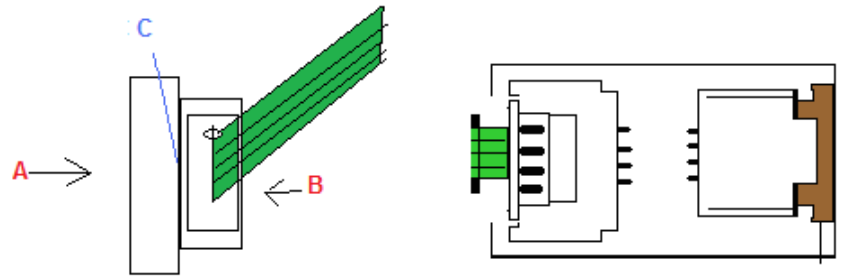
<p style="text-align: center;"><b>Running light test</b></p>	<p>Connect the yellow wire directly to the battery (+) terminal and connect the black wire to the ground (-) terminal or to the body of the bike. Now press and release the button repeatedly and see 7 different color. and one rotation mode then off mode.</p>
<p style="text-align: center;"><b>Brake light test</b></p>	<p>Set the running color to Blue or Green.</p> <p>With the Yellow and Black wire still connected, connect the red wire to the battery (+) Terminal. Both lights should turn RED.</p>
<p style="text-align: center;"><b>Right signal test</b></p>	<p>With the yellow and Black wire still connected, connect the Green wire to the battery (+) terminal. Right light should turn Amber.</p>
<p style="text-align: center;"><b>Left signal test</b></p>	<p>With the yellow and Black wire still connected, connect the Blue wire to the battery (+) terminal. Left light should turn Amber.</p>

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

You don't need to disconnect the blue and the green wires from the connector. If you do need to disconnected see below.

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

If you need to disconnect the wire from the connector, Do not pull on the wire it can damage the connection. Hold the connector vertically so the wire connection can be seen. put pressure on the point A and B with your fingers. Now gently using a utility knife Slide the tip of the blade into point C and pry the connector tip out of the connector socket.



## STEP 2. Preparing the grip.

G1	<p><b>Rubber grip with rubber closed end</b></p>	<p>Without removing the grip, Use a utility knife and cut the end of the grip so the grip will be hollow and you can see the handle bar.</p>	
G2	<p><b>Stock grip with weighted end cap</b></p>	<p>Unscrew the encap and save the bolt and the inserts for reuse with the Dragonlights.</p>	

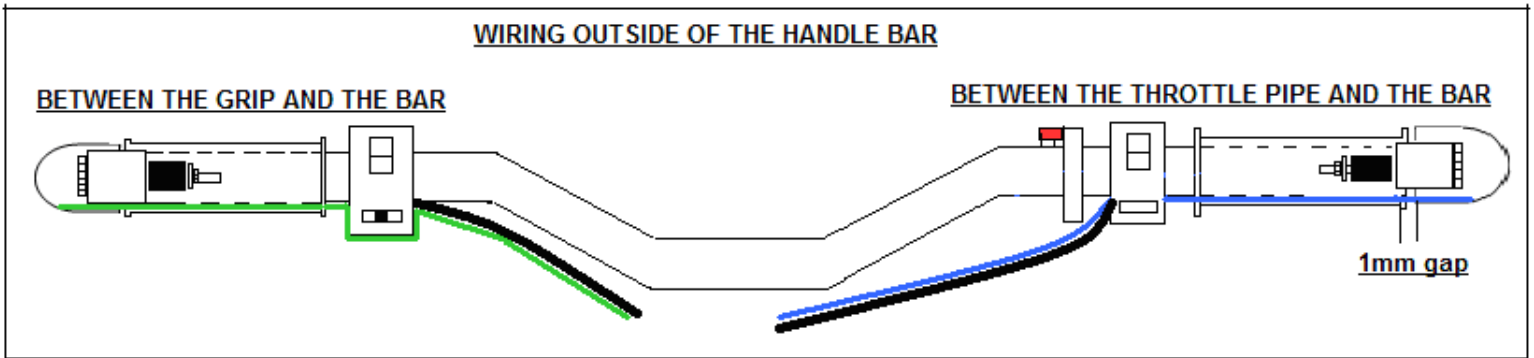
## STEP 3 Assembling the light parts See below.

Slider assembly instruction			
<p><b>Kawasaki</b></p> <p>6 x 40mm L1 R1 Slider S1 #1 S1</p>	<p><b>Suzuki TL1000R</b></p> <p>6 x 50mm L1 R1 Slider S2 #2 S2</p>	<p><b>Most Models with 6mm threaded end</b></p> <p>6 x 50mm L1 R1 Slider S2 #3 S2</p>	<p><b>Most Models with hollow end</b></p> <p>6 x 75mm L1 R1 Slider S2 #3 15mm Nut</p>
<p><b>Honda</b></p> <p>use 6 X 75mm bolt and screw it into the inser and pull out the adaptor inside the bar. Now use hollow end setup.</p>	<p><b>Yamaha YZF1001 R1</b></p> <p>6 x 50mm L1 R1 Slider S2 #3 #2</p>	<p><b>YZF600 R6</b></p> <p>6 x 75mm L1 R1 Slider S2 #4 15mm Nut</p>	<p><b>YZR600/400 YZF 600/750/1000</b></p> <p>6 x 75mm L1 R1 Slider S2 #4 15mm Nut</p>

Above illustration is for the most sport bikes, for other models not listed, try different combination that fits your model. It should work with most of 7/8 inch handle bars. For extra spacing use additional star washers and or #1 2mm spacer . For 1 inch handle bars use 20mm expander.

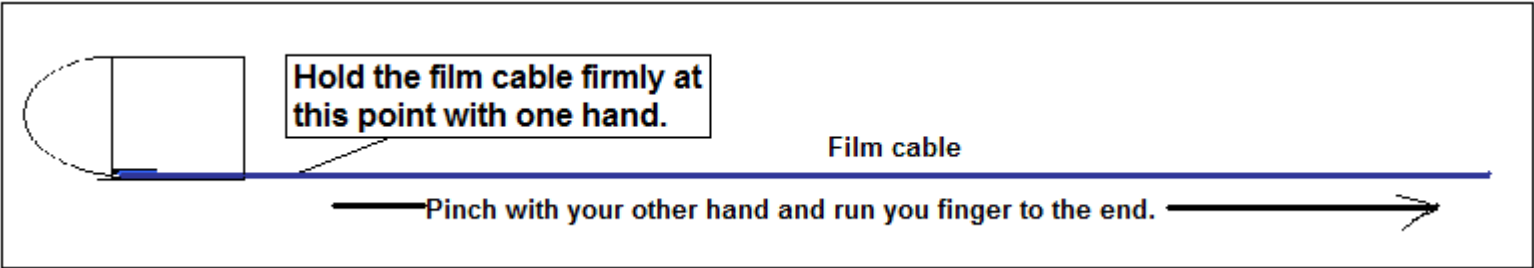
Also fits most Ducatis and Triumphs. (7/8 inch tubular bars.-use #3 spacer with 17 mm rubber expander) For Scooters try different combination-spacers and rubber expanders.

**Step 4. Preparing and mounting the Left light ends: Wiring outside of the handle bar.**

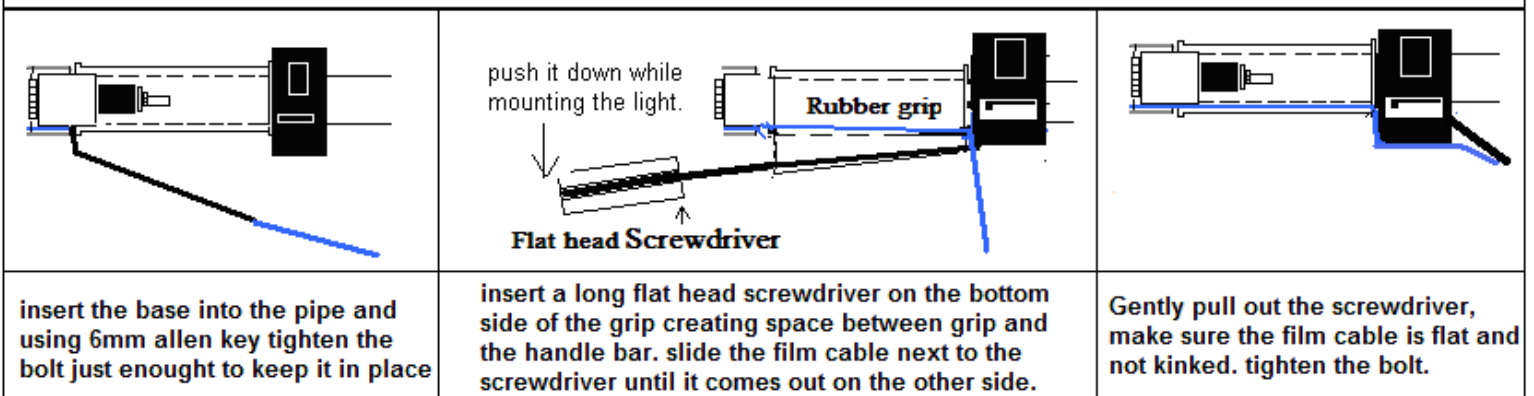
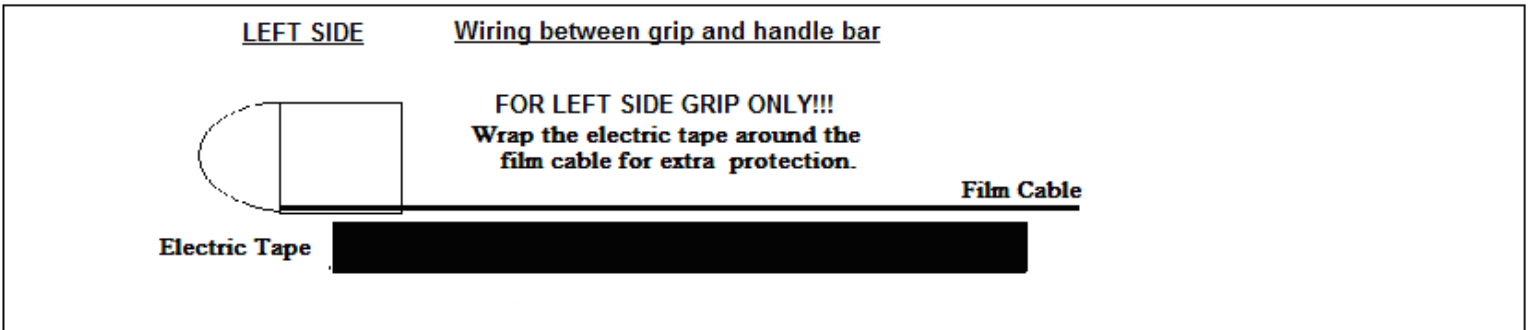


**Left Side Installation.**

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.

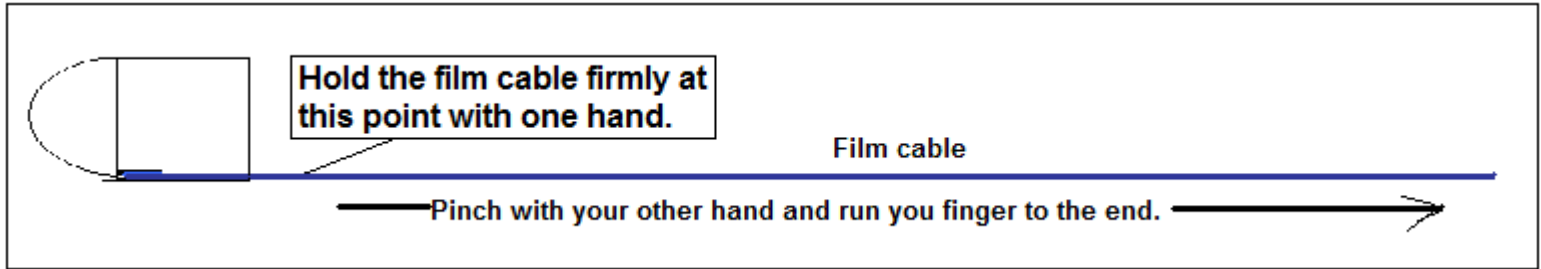


2. Wrap a electric tape along the film cable leaving just the connection part exposed.  
**Wrapping the Film cable is VERY IMPOTANT to prevent the light from shorting out.**



## Right side installation

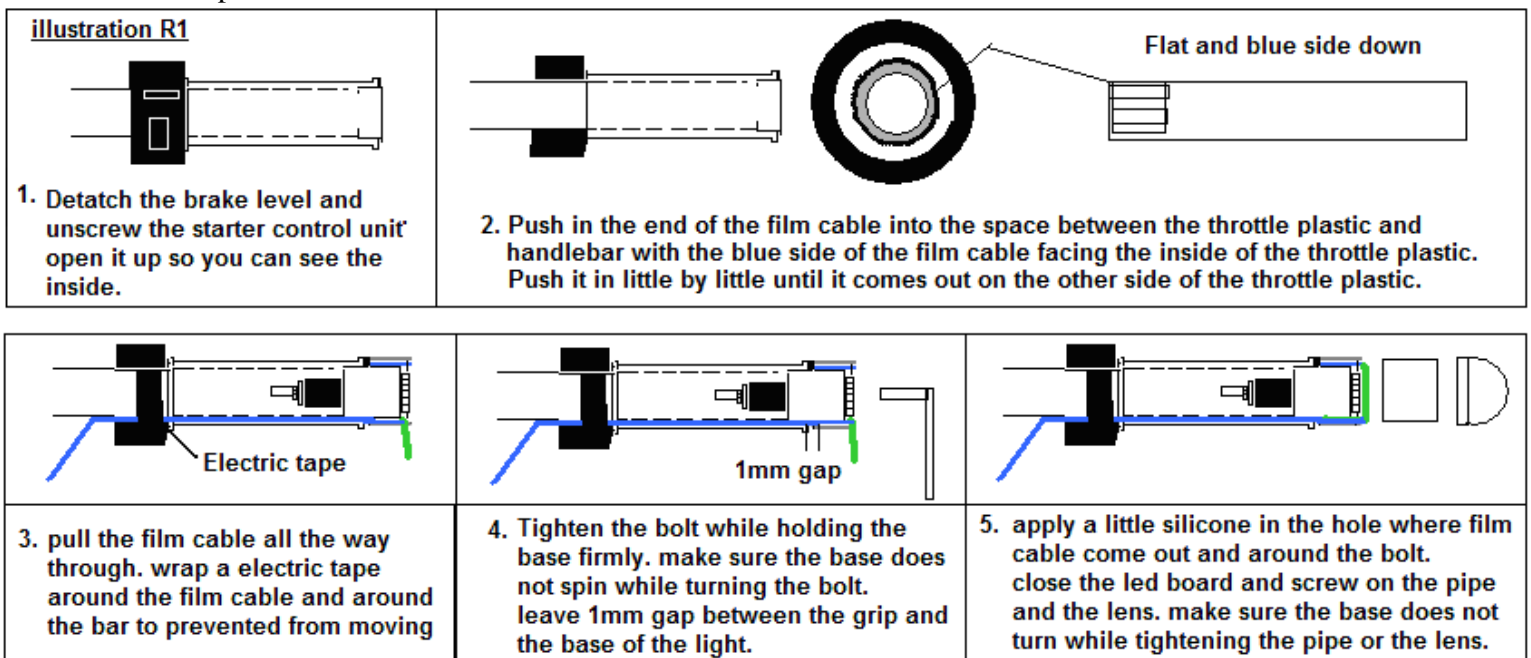
1. Unroll and straighten out the film cable by holding the film cable at the light end with one hand and running your fingers through the film cable towards the open end.



## **STEP 5** Right side installation -- Without removing the grip

On most bikes there are enough spaces between the throttle body and the handle bar for the film cable to slide in, and we find it easier to work without disconnecting the throttle cable and removing the grip.

1. Unscrew and open the starter control unit. Follow the instruction below.



## **STEP 5A**   **Right side installation** – **Removing the grip**

1. Unscrew and Open ignition control unit. Unscrew and detach the brake level.

**If your throttle cable disconnects and reconnects easily, then disconnect the throttle cable and remove the grip.**

**If the throttle cable is really hard to disconnect, try removing the grip without disconnection the throttle cable.**

**Detach the handlebar from the bike and move it over to the left side so you can get enough slack of the wires.**

**Now slide out the grip and the ignition control unit together with the throttle cable still attached.**

**In most cases it is easier to work with the brake level detached from the handle bar.**

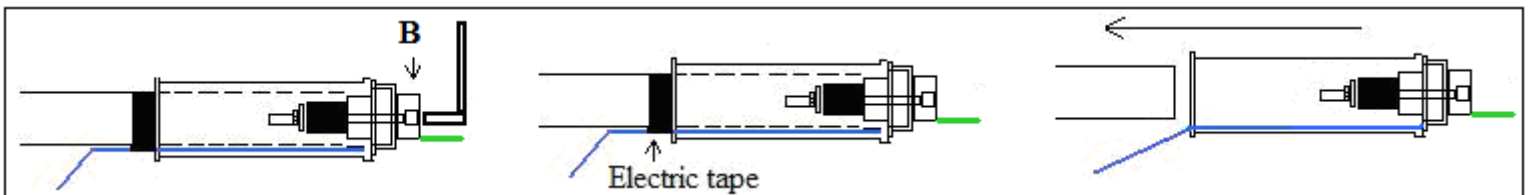
2. Clean the handlebar and the inside of the throttle pipe and spray a little lubricant such as WD40 to the inside of the plastic throttle body for smoother action.

3. Slide the film cable inside the plastic throttle pipe. t of the throttle body and while holding one side of the film cable slide the grip back on to the handle bar.

4. After you fully inserted the grip and the light, use Allen key to secure the light while hold the base with one hand or use a channel lock or insert a flat screw driver into the open slot on the base to prevent the base from turning.

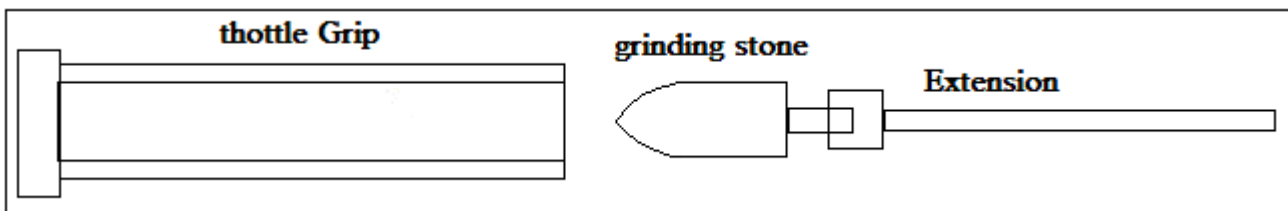
**(DO NOT GRIP ON THE THREADED PART OF THE BASE WITH CHANNEL LOCK)**

5. Pull on the film cable lightly to make sure there is no extra slack on the film cable and it is laying straight and flat inside the throttle plastic. While holding the film cable, wrap electric tape over the film cable and the handle bar as shown above. This part is **VERY IMPORTANT** because the film must be secured so it does not move with the throttle. **See below**



**This case is very rare but it does happens. One in few hundread. See below.**

**\*\*\* After replacing the grip with film cable inside and taping it off, turn the throttle few times to make sure it returns smoothly. If throttle sticks you might need to sand out the inside of the throttle plastic pipe using stone grinder with extension and a Drill. Film cable is only .2 mm thick so you just need to sand out a bit. \*\*\***



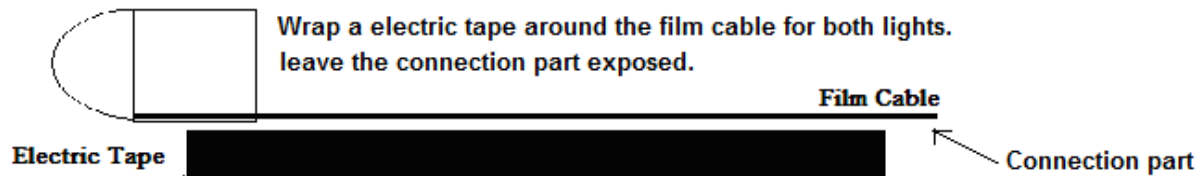
6. Cover the exposed film cable with shrink tube and shrink the tube using heat gun or lighter. (leave 2 inch exposed end)

7. Run the shrink wrapped cable along the existing ignition wire harness. Reattach the ignition control unit.

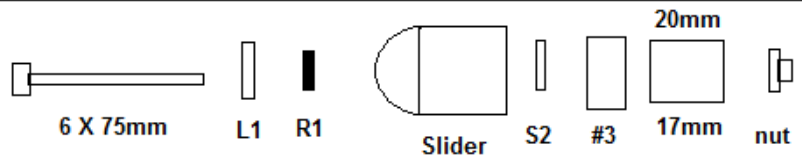
When reattaching the ignition control make sure the film cable is not pinch where it can be cut or damaged.

## OPTIONAL: WIRING THROUGH THE HANDLE BAR FOR HOLLOW HANDLEBARS.

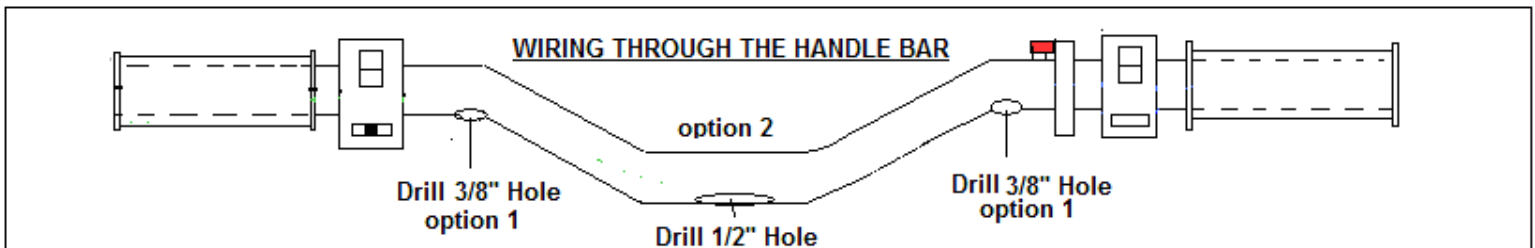
### WIRING THROUGH THE HANDLE BAR



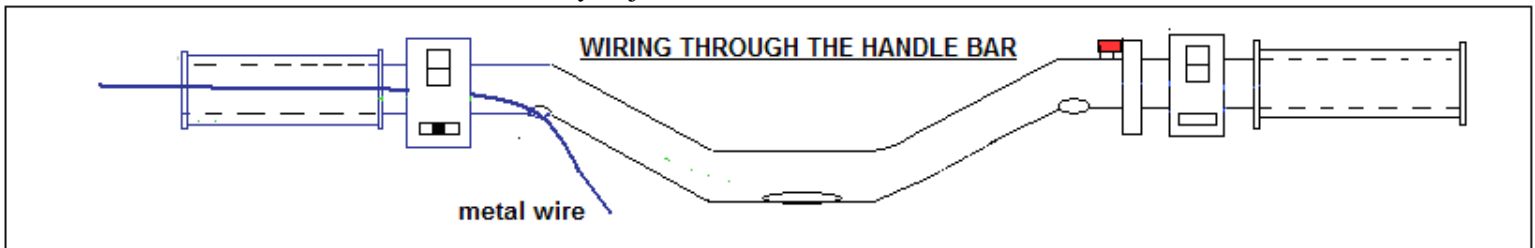
Assemble part using the illustration HT.  
for 7/8" handle bar use 17mm expander.  
for 1" handlebar use 20mm expander.  
for others try other expanders.



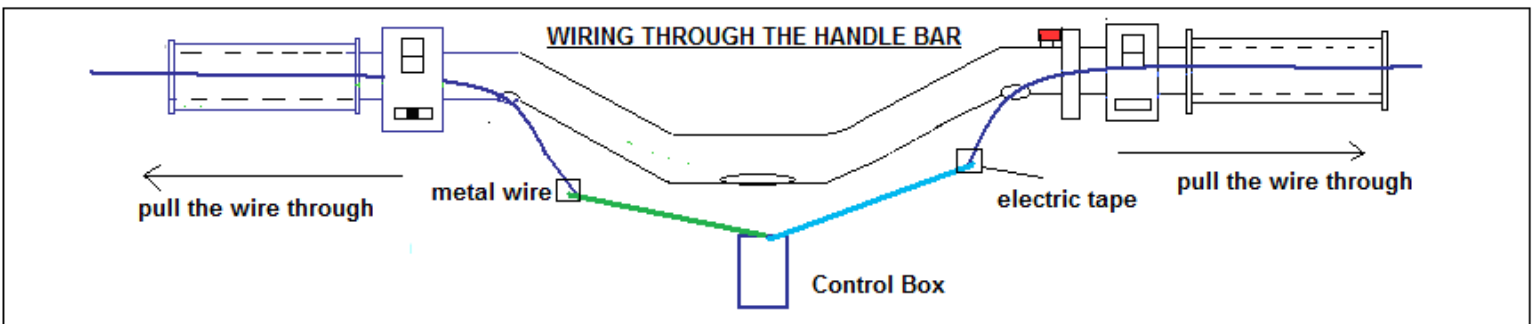
1. Use a metal punch to mark the spot then, Drill two 3/8 inch holes where shown as **option 1** or one 1/2 inch hole **option 2**.



2. Use thin metal wire and run it from the hole you just drilled to the end of the handlebar.



4. Tape the end of the metal wire to the end of the blue and the red wire with the wire cover on.  
Now gently pull it through until it comes out of the hole. Remove the electric tape and connect to the end cap light.



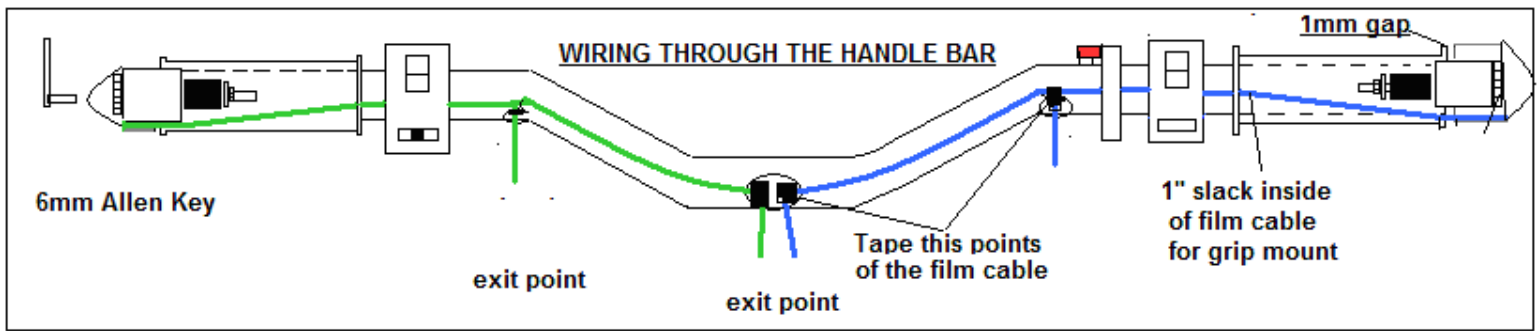
5. Apply a little glue on the blue side of the film cable and connect the film cable to the connector. Slide the shrink tube over the connector and the wire covers and use heat gun or a lighter to shrink the tube.

6. Pull the wires gently back out of the hole you drilled and insert the light to the end of the bar and tighten the bolt.

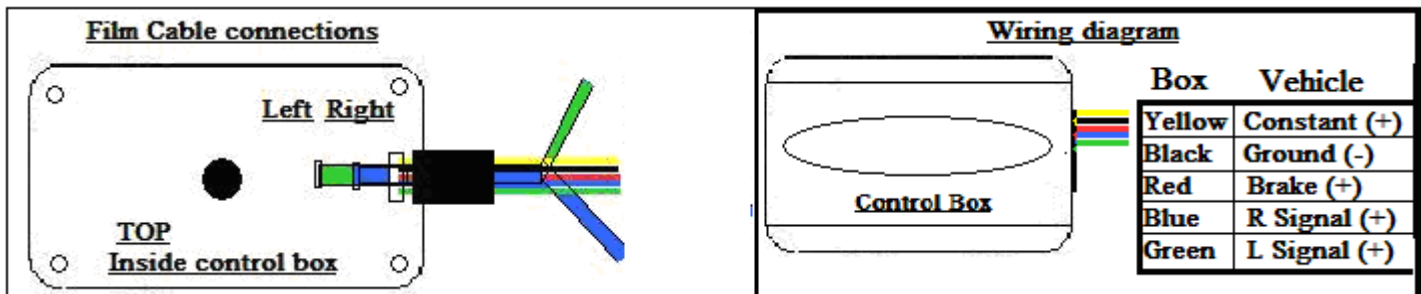
#### Before you tighten the bolt, Important points to check below:

- a. Make sure there is enough space between the spacer and the inside of the pipe, if it is too tight going in, remove the spacer and sand it down a bit or use additional rubber expander instead of the spacer.
- b. There should be a minimum of 1mm gap on the right side between the light and the throttle grip.

c. make sure the end cap light does not turn with the bolt while tightening the bolt.



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



If you are familiar with the location of your vehicle's 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 a 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.\*\*

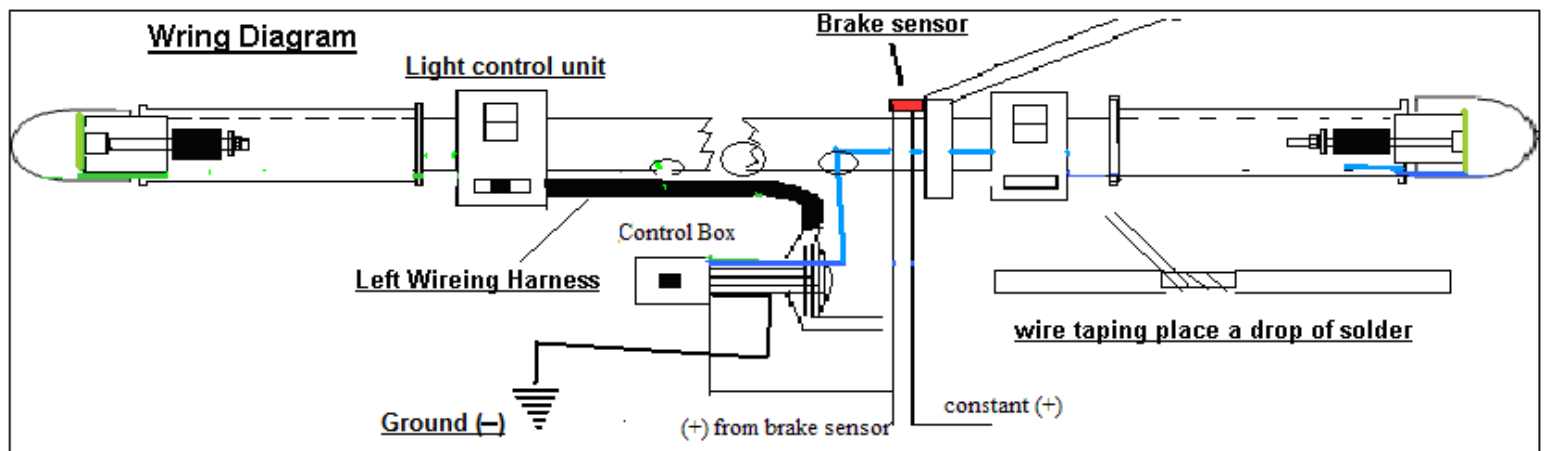
E. **Brake:** There are two wires connected to the brake level on the right side of your handlebar. Unplug the connection and turn the key to the on position then test each wire. One of the two wire should be constant 12vt and the other should be switched. Connect the tip of the tester to the one that 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. If needed, 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.