INSTALLATION MANUAL

Interior Automotive Auxiliary Brake Light

Logo Lites™

by

Creative Connections, Inc.

Consumer Hot Line: (770)476-7322

This manual includes important consumer information. Dealer, please give this manual to the consumer after installation.

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INTRODUCTION AND PREPARATION

INTRODUCTION

Thank you for purchasing a Logo Lites™ Auxiliary Brake Light. Your auxiliary brake light was built to high quality standards to provide you with years of reliable service. This manual should serve as a guide for installing a Logo Lites Auxiliary Brake Light inside your vehicle. Although this guide is thorough, each installation is different, so it can not cover all applications. Most installations take less than three hours.

You can install the auxiliary brake light yourself IF:

1. you have the right tools,
2. you have a reasonable mechanical and electrical aptitude or experience,
3. you have the knowledge or diagrams of where wiring, fuel lines, brake lines, etc. are located in the vehicle,
4. and you read and follow the instructions very carefully.

IMPORTANT!

To Protect Yourself And Others From Injury You Must Carefully Read The Following Safety Information And Warnings Before You Install Or Use Your Auxiliary Brake Light

SAFETY INFORMATION

- Read the instructions completely before starting the installation of your auxiliary brake light.
- A Logo Lites Auxiliary Third Brake Light does not qualify as a replacement for OEM (original equipment manufacturer) brake lights.
- Never attempt automobile wiring without first disconnecting the negative side of the battery.

- Allow enough time to do the installation. Driving before the mounts have had time to properly adhere (when mounting to the window) will result in the unit falling from the window and can cause personal injury.
- When using power tools such as a drill, be sure to use the proper safety equipment (eye protection, etc.). Always follow manufacturer's recommendations when using power and hand tools.
- **The installations shown are for reference only and do not indicate that any particular configuration shown will be safe for all vehicles. A safe and secure installation is solely the responsibility of the installer!!**

OTHER IMPORTANT INFORMATION

- All Logo Lites auxiliary third brake lights not sold as "Exterior Mount Auxiliary Third Brake Light" must be mounted in the interior of the vehicle.
- Do not over tighten the #8 self tapping screws into the plastic parts. A stripped plastic part does not qualify as a warranty claim.
- Becoming familiar with the components before attempting installation will reduce the installation time.
- For best results, your Logo Lites Auxiliary Third Brake Light should be mounted in the center (from side to side) of the vehicle's rear window.

TOOLS NEEDED

- Pliers
- Wire crimp tool
- Tape measure
- Drill
- 9/64" Drill bit
- Single edge safety razor blade or similar cutting device
- Scissors
- Masking tape or similar tape
- Window cleaner (regular, ammonia based window cleaner - no silicon based or anti-static window cleaner)
- Lint free cloth

HARDWARE COMPONENTS

Review all the parts shown in the list below. The quantities should be the same as shown in the picture. We strive to make quality products, so no parts should be missing or damaged. However, if a part is missing or damaged, contact Creative Connections, Inc. about your Logo Lites product

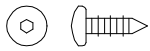
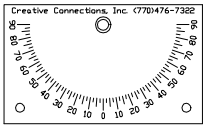
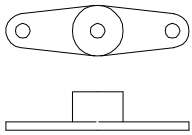
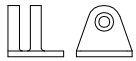
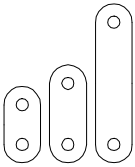
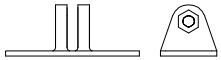
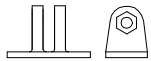
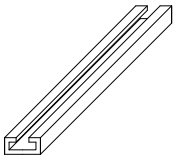
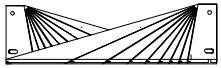
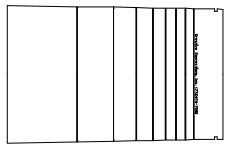
 #8 Star Washer Quantity: 1	 #8 Ring Terminal Quantity: 1	 #8 Self Tapping Screw Quantity: 10
 #8 Machine Screw Quantity: 5	 #8 Machine Nut Quantity: 5	 Pointer Quantity: 1
 Inclinometer Quantity: 1	 Side Mounts Quantity: 2	 Window Mounts Quantity: 2
 Suspension Arms Quantity: 1S, 2M, 1L	 Package Tray or Roof Mount Quantity 1	 Rear Mount Quantity: 1
 Binding Channel Quantity: 2	 Side Blinders Quantity: 1 each	 Bottom Blinder Quantity: 1

Figure 1 - Included Hardware

at the Consumer Hot Line phone number listed on the front page of this manual for immediate response.

INSTALLATION

STEP 1: CHOOSE YOUR CONFIGURATION

You can install your auxiliary brake light many different ways. Before proceeding any further, you must decide where and how you will mount yours.

The LEDs used in your Logo Lites auxiliary brake light are extremely bright. Logo Lites auxiliary brake lights come with anti-glare blinders. These blinders are provided to help prevent the emitted light from re-entering the passenger compartment.

Figure 2 shows just a few of the possible configurations for your Logo Lites auxiliary brake light. These examples are as follows:

1. Roof mounted light with steep rear window
2. Rear mounted light in pick up truck (no blinders)
3. Window mounted light with medium slope
4. Package tray mount with medium slope window
5. Window mount on vertical window (no blinders)
6. Window mount with very low slope window

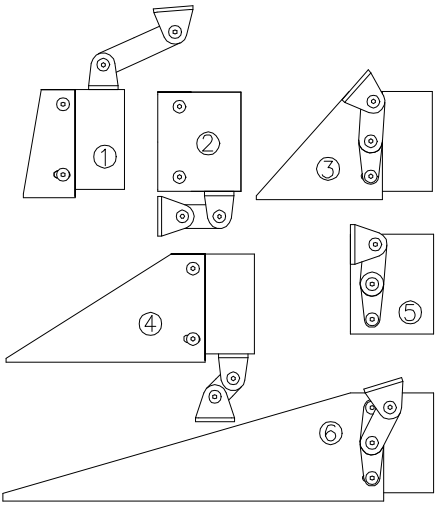


Figure 2 - Example Configurations

When deciding the best configuration for your vehicle, consider where you are going to route the wires, where wire holes will be drilled, where you will be connecting to the brake light wire harness, etc.

NIGHT TIME DRIVING WARNING!

If your Logo Lites auxiliary brake light is not mounted with the whole face completely touching the window, and is not installed correctly with the blinders supplied, be aware that the back window of your car will become very bright when the brakes are applied at night. This can impair a driver's night time vision. Impaired vision can cause a serious or fatal accident.

If you are not using the blinders, proceed to "Step 7: Loosely Assemble the Parts."

STEP 2: ASSEMBLE THE INCLINOMETER

To begin the installation with blinders, you must assemble a tool that is provided in the kit called an inclinometer. This tool measures angles and it will be used here to determine the angle of your back window. Locate the inclinometer and the pointer in the plastic parts kit.. Place the pointer on the front of the inclinometer. Insert a #8 machine screw through the hole in the top and secure them with a #8 machine nut on the back. Leave the screw a little loose so that the pointer can rotate freely. When assembled, they should look like Figure 3. To measure an angle, hold the top or bottom of the inclinometer against what you are measuring.

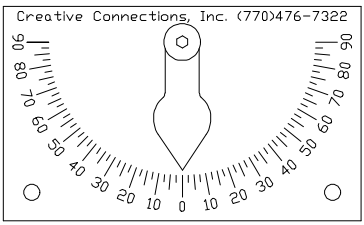


Figure 3 - Inclinometer

STEP 3: LEVEL THE CAR

The next step is to level the car. The car must be level from front to back as a minimum. The bottom of the door jamb, under the door, is usually parallel to the axis of the car. Use this area (shown by the arrow in Figure

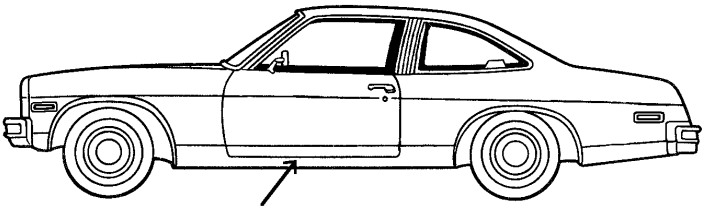


Figure 4 - Bottom of Door Jamb

4) to check for level with the inclinometer. Once level, unless you have a modified vehicle, the inclinometer will point at 0°.

Special Information About Modified Vehicles

If your car has been modified with larger tires in the back than in the front, air shocks, lowered front end, etc. then you should drive the vehicle onto a level surface. The bottom of the door jamb shown in Figure 4 will **not** be level on a car that has been modified in this way.

STEP 4: MEASURE THE REAR WINDOW ANGLE

Now that you have decided how you will mount your Logo Lites auxiliary brake light, you must measure the rear window angle where the light will be mounted. Do this by holding the top of the inclinometer against the inside of the window in the selected location. **If your car is a hatch-back, it must be in the closed position**. If you can not reach the position to measure it, or it is difficult to read the inclinometer, you can place the bottom of the inclinometer on the outside of the glass in the correct location and measure the angle. Write down the angle here _____ for reference later.

Inclinometer Hints:

- If the numbers are hard to read on the face of the inclinometer, rub a piece of white chalk against the face. Wipe the chalk off of the face leaving the chalk in the numbers. This will "highlight" the numbers.
- When measuring angles with the inclinometer, tilt the top of the face toward you a little to make the pointer move easier. Tap gently on the face of the inclinometer to make more accurate measurements. If it still does not move easily, loosen the nut a little.

STEP 5: CUT THE BLINDERS

Use the angle you wrote down in "Step 4: Measure the Rear Window Angle" on page 8 and the information shown in Table 1 to locate the proper position to cut. Follow the instructions below on how to cut the blinders in the correct grooves.

Side Blinders

Be careful when cutting the blinders! On the side with the grooves, locate the two numbers in the large groove at the bottom. You will have to cut the blinders in the small groove located between these two numbers. It is usually easiest to turn the blinder so that the numbers are read upside down and then pull the blade, away from your other hand and your body as shown in Figure 5. Be sure to keep your fingers away from where you are cutting! If you rush, the blade may jump out of the small groove and can cut you. Use many strokes rather than high pressure. For best results, it may take 20 to 30 light strokes of the blade to cut all the way through the blinder.

Table 1 - Blinder Cut Guide

Inclinometer Reading Between	Cut Groove Between Numbers:
13-21°	No cut
22-29°	8&9
30-37°	8&7
38-45°	7&6
46-53°	6&5
54-61°	5&4
62-69°	4&3
70-77°	3&2
78-85°	2&1
85-90°	Don't use blinder

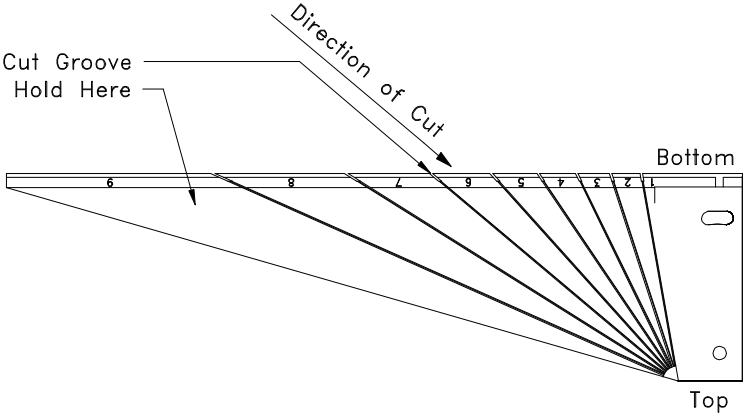


Figure 5 - Blinder Cut Example

Bottom Blinder

Repeat the same procedure as the side blinders for the bottom blinder. Again, cut the blinder between the numbers shown in the chart. More time and care should be taken cutting the bottom blinder because it is more visible once mounted in the car. If your blade jumps out of the groove when you are cutting the bottom blinder, a scar may be left on the visible surface.

Blinder Tip:

- If you use too much force while cutting or you break the blinders, there will be a white area on the cut or broken edge. This can be polished with a wet #400 sandpaper to return most of the black appearance.

STEP 6: ASSEMBLE THE BLINDERS

The bottom blinder should loosely lock into the side blinders. Now take the binding channels, and slip them over the joint between the bottom and side blinders. If you cut the blinders, then the binding channels will be too long. Slide the binding channels all of the way to the

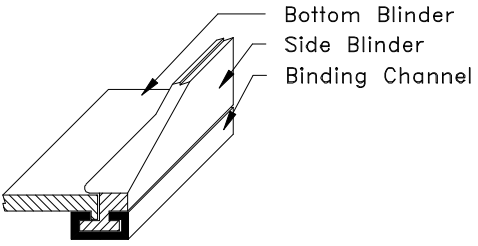


Figure 6 - Assembled Blinders

end of the track. Make sure that the lock at the back of the bottom blinder is engaged into the side blinders. Using a single edge safety razor blade or similar cutting device, mark the binding channel where it protrudes from the blinders. Remove the binding channel and carefully cut it at the mark you just made with a safety razor blade or a pair of scissors. Now reverse the binding channel and re-assemble it with the blinders (reverse it so that the cut end goes on first - this will hide the cut against the lock/stop).

STEP 7: LOOSELY ASSEMBLE THE PARTS

Look at the auxiliary brake light and be sure the red lens housing is flush or recessed into the case. If not, place the unit face down on a flat surface and

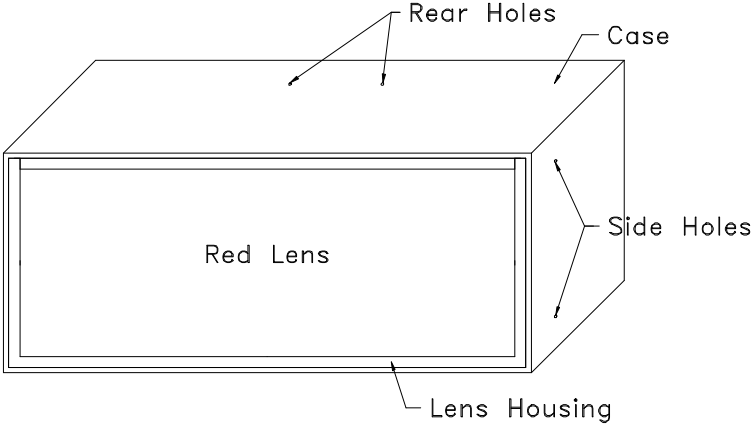


Figure 7 - Hole Locations

press gently on the back of the case, until the case and lens housing are flush.

Window Mounts

Use this section if you are going to use a window mount as shown in drawings 3,5, or 6 in Figure 2 on page 6. Otherwise, go to the next section entitled, "All Other Mounting Types."

1. Thread four #8 self tapping screws into the four side holes in the case using the hex driver (see Figure 7). Under the surface, the holes are much larger, and should thread easily once the screws are started. Thread them down until the heads of the screws are just touching the case.

2. Remove the screws from the case. The holes are now threaded and will make later assembly easier. Carefully remove any flashing that may be sticking up from the case.
3. You must clean the window mounts on the flat surface where the adhesive tape will be applied (see Figure 8). First, clean them with a window cleaner and a clean lint free cloth. Next, clean the flat surface with one of the included alcohol pads. You can allow the alcohol on the window mounts to dry naturally, or use a clean, dry lint free cloth to dry them. **Do <u>not</u> blow on the surface to speed drying. Do <u>not</u> touch the flat surface of the window mount with your fingers after you have cleaned it. Finger oils left on the window mount will destroy the adhesive.**
4. Once the window mounts are clean and dry, you are ready to adhere the adhesive tape to the window mount as shown in Figure 8. The ideal adhesive tape application temperature range is 70°F to 100°F (21°C to 38°C). Minimum acceptable application surface temperature is 50°F (10°C). **Do <u>not</u> touch the adhesive side of the tape with your fingers. Finger oils will destroy the adhesive.** Remove the white side of the adhesive tape backing. Apply the uncovered side of the adhesive tape to plastic window mount. Press firmly for at least 30 seconds on a hard, smooth, flat surface such as a work bench. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength. Repeat the process for the second window mount.

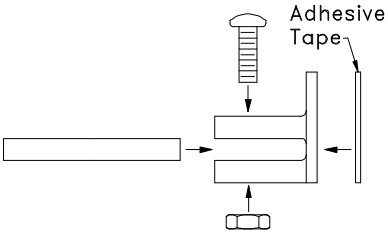


Figure 8 - Assemble Arm & Adhesive Tape to Window Mount

5. Using a #8 machine screw and a #8 machine nut, loosely assemble a medium length suspension arm to a window mount (as shown in Figure 8). Repeat for the second medium length suspension arm and window mount.
6. Using a #8 machine screw and a #8 machine nut, loosely assemble the other end of the medium length suspension arm to a side mount. Make sure that the "foot" of the window mount is pointed away from the side mount, as shown in Figure 9. Repeat for the second arm and side mount.
7. Certain Logo Lites auxiliary third brake lights look the same when mounted upside down. For these, make sure that the power cord exiting the box is where you want it (top or bottom).

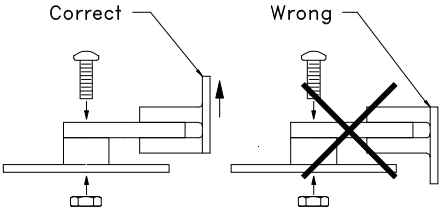


Figure 9 - Assemble Arm to Side Mount

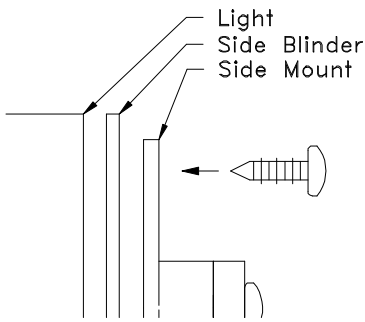


Figure 10 - Mount Blinders and Side Mounts

8. If blinders are being used, attach the side mounts and blinders to the case with the four #8 self tapping screws as shown in Figure 10.
9. If blinders are <u>not</u> being used, attach the side mounts to the case with the four #8 self tapping screws.

All Other Mounting Types

Use this section only if you are <u>not</u> going to use a window mount as shown in drawings 1,2, or 4 in Figure 2 on page 6.

1. Thread four #8 self tapping screws into the four side holes (see Figure 7) on the case. Under the surface, the holes are much larger, and should be threaded easily once the screws are started. Thread them down until the heads of the screws are just touching the case.
2. Thread two #8 self tapping screws into the holes at the rear of the case. Thread either the top or bottom of the case depending on your configuration. Certain Logo Lites auxiliary third brake lights look the same when mounted upside down. For these, make sure that the power cord exiting the box is where you want it (top or bottom).
3. Remove the screws from the rear holes in the case. The holes are now threaded and will make later assembly easier. Carefully remove any flashing that may be sticking up from the case.
4. If you are using blinders, remove the screws from the side holes in the case. Again, carefully remove any flashing that may be sticking up from the case.

5. If blinders are being used, attach the blinders to the case with four #8 self tapping screws.
6. If you are using blinders and you are using the roof mount method, then go to #7. Otherwise, attach the rear mount to the case with two #8 self tapping screws.

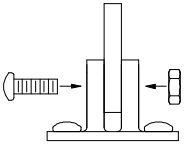


Figure 12 - Rear Mount

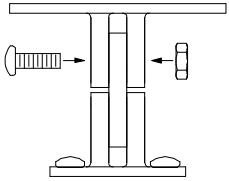


Figure 11 - Package Tray Mount

7. Depending on your configuration, attach a small, medium, or large suspension arm to the rear mount as shown in Figure 12 using a #8 machine screw and nut.
8. Attach the other end of the suspension arm to the package tray mount using a #8 machine screw and nut as seen in Figure 11.

STEP 8: PREPARE THE PARTS FOR MOUNTING

Set the Angle

If you are using the blinders, you have to set the angle of the box to the blinders. Tighten the four screws that are attaching the blinder to the case until a slight amount of pressure is required to adjust the blinder angle. Lay the loosely assembled unit down, on its face, on a level table or work bench (you can use the inclinometer to make sure the table is level). Use the side of the inclinometer to set the angle to the angle you measured in "Step 4: Measure the Rear Window Angle." Tighten the adjusting screw and then the pivot screw on each side of the case so they are tight to each other and do not easily change angles.

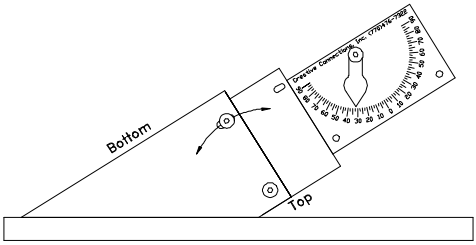


Figure 13 - Set Blinder Angle

If you are using blinders and you are using the roof mount method, you may now attach the rear mount to the case.

Set the Window Mounts

If you are using the blinders and a window mount configuration, you can now set the window mount positions as shown in Figure 14. For both sides, firmly tighten the window mount to the suspension arm and the suspension arm to the side mount.

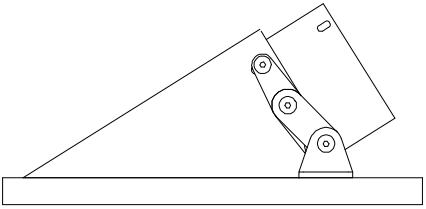


Figure 14 - Set Window Mount Positions

STEP 9: MOUNT THE LIGHT ASSEMBLY

Remember, all vehicles are different. The information given on mounting are guidelines only. You really must take time and determine the best routine for mounting in your vehicle.

Note: For those installations where blinders are not required, you should make sure that the back of the case is level when you complete this step.

Window Mount

Place the Template

Tape the template on the outside of the glass so that the template is legible from the inside of the car and the square boxes are about where the window mounts of the unit are going to be placed. Use a tape measure to make sure that the template is aligned left to right and not tilted with respect to your vehicle. Place the assembled unit inside the car against the glass aligned with the template. If it does not look correct (level from side to side, centered in the vehicle, etc.) or it can not be mounted where the template is located, go outside the vehicle, move the template, and repeat. **You only get one chance to mount the double sided adhesive to the glass.** Therefore, practice putting the complete light assembly against the glass, until you can put the mounts in the correct position without having to shift them when you press the mounts to the glass.

Clean the Window

If you are using the window mount method, thoroughly clean the areas of the window where the template shows the mounts will attach with a good window cleaner and a clean, lint free cloth. Also clean the area the auxiliary brake light will be visible through. After they are dry, clean the mounting areas again using the included alcohol wipes. Allow several minutes to completely air dry. Do not attempt to accelerate drying time. **Do <u>not</u> touch the surface of the window where the mount will attach after you have cleaned it. Finger oils left on the window will destroy the adhesive.**

Attach the Window Mounts

While the window is drying, loosen the medium extension arms and window mounts just enough that they can be moved. This will allow the window mount to make better adhesion with the window when you press the mounts into place.

Once the window is dry, take the backing off of the adhesive tape on the window mounts. **Do <u>not</u> touch the adhesive side of the tape with your fingers. Finger oils will destroy the adhesive.** Apply the unit to the glass with even pressure for at least 30 seconds. Remember, the ideal adhesive tape application temperature range is 70°F to 100°F (21°C to 38°C). Minimum acceptable application surface temperature is 50°F (10°C). Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength.

After the mounts have been pressed to the glass, press on the ribs of each window mount for another 30 seconds to increase contact on the “inside” of the window mounts. Then press on the “outer” section of the window mounts for 30 seconds with your thumbs. Go outside of the car and check the adhesive pads for continuous contact and repeat, pressing where necessary until full contact is achieved. Remember, you must press for at least 30 seconds in each area, or there will be no bonding.

Now lift the auxiliary brake light assembly to the window and tighten the window mount and medium suspension arm screws.

Allow Bonding Time

After application, the bond strength increases and approaches the ultimate bond strength after 72 hours at 70°F (21°C). At 70°F (21°C), in 20 minutes, the bond strength will be 50%. After 72 hours, the bond

strength will be 100%. At a temperature of 110°F (43°C), after 2 hours, the adhesive will be at 100% bond strength.

Package Tray Mount

Drill the Holes

Secure the template where you believe the unit will be mounted. Hold the unit against the template. Align the light to the template and check to see if the light is where you want it. If not, move the template and check again. Once you have determined that the template is in the correct place, drill the holes. Mounting holes should be 9/64" in diameter. Make sure you are drilling through metal. **Make sure that there are no wires, fuel lines, glass, or brake lines where you are making the holes**.

Clean the Window

You should clean the area the auxiliary brake light will be visible through. Clean the window with a good window cleaner and a clean, lint free cloth.

Roof Mount

Drill the Holes

Secure the template where you believe the unit will be mounted. Hold the unit against the template. Align the light to the template and check to see if the light is where you want it. If not, move the template and check again. Once you have determined that the template is in the correct place, drill the holes. Mounting holes should be 9/64" in diameter. Make sure you are drilling through metal. **Be careful not to drill through the roof and check to make sure the screw is not too long. Make sure that there are no wires, fuel lines, glass, or brake lines where you are making the holes**.

Clean the Window

You should clean the area the auxiliary brake light will be visible through. Clean the window with a good window cleaner and a clean, lint free cloth.

STEP 10: ROUTE THE WIRES

CAUTION!! -- Before proceeding any further, disconnect the negative side of the battery. The easiest place to connect to the auxiliary brake lights is usually near the brake lights. However, it may be easier in

many vehicles to connect to the harness running to the brake lights inside the passenger compartment. Many coupes and sedans have easy access to the harness under the package tray, above the driver's side wheel well. If you need to drill or punch a hole, **make sure that there are no wires, fuel lines, glass, or brake lines where you are making the holes**.

STEP 11: MAKE THE ELECTRICAL CONNECTIONS

Ground

One at a time, slowly pull the three conductors apart as far as needed, and strip the insulation off of at least 0.125" (1/8") of the middle conductor ("B" in Figure 15). Twist the individual conductor strands together and insert the conductor into the barrel in the #8 ring terminal and smash the barrel with a pair of pliers. Connect the #8 ring terminal to a good chassis ground. Do this by drilling a 9/64" hole in the chassis and screwing a #8 self tapping screw, through the #8 star washer, and the #8 ring terminal. **Make sure that there are no wires, fuel lines, glass, or brake lines where you are making the hole**. For the best connection, the ring terminal should be in direct contact with the chassis metal, and the tooth washer should be between the ring terminal and the head of the screw.

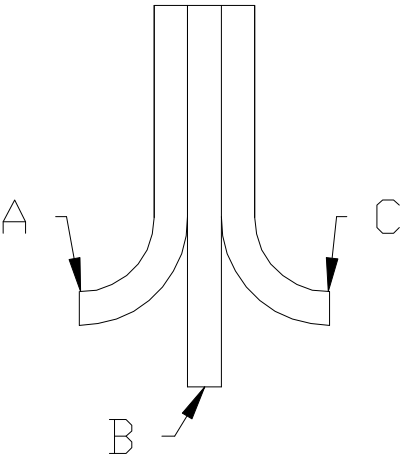


Figure 15 - Wire Connections

Power

Identify the Power Connections

The two outside conductors ("A" & "C" in Figure 15). should be connected as follows:

- If your vehicle has "combined" turn lights, where one bulb is used for both brake light and turn signal functions (most US cars are like this), connect conductor "A" to one side's brake light wire, and conductor "C" to the other side's brake light wire. "A" and "C" can be interchanged. On a car with this type of turn lights, the brake light signal wires are usually green and yellow.

- If your vehicle has separate brake and turn signals (this type normally has amber lights in the tail light cluster), connect "A" and "C" together to the wire supplying power to the brake lights.

Table 2 - Wire Connection Table

Wire	Turn Light "Combined"	Turn Light "Separate"
A	Connect to left or right brake light wire	Connect to brake light wire
B	Ground this wire	Ground this wire
C	Connect to brake light wire opposite from the A wire	Connect to the same wire as the A wire

Make the Power Connections

Note: For vehicles with "separate" turn lights, use only one t-tap connector and one fuse holder. For vehicles with "combined" turn lights, two t-taps and two connectors should be used.

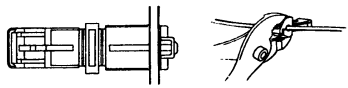


Figure 16 - T-Tap Connector

To connect the power wires, snap the included blue t-tap around the vehicle's brake light wire where you want to get the power. To do this, place the wire in the open channel as shown in Figure 16. Fold the connector body until the metal element contacts the wire, and crimp the connector closed with a pair of pliers. Push one end of the white fuse holder into the female slot of the t-tap.

Turn Light Combined:
Strip 0.375" - 0.500" (3/8" to 1/2") of insulation off of the end of the "A" or "C" conductor. Twist the conductor strands together. Bend the stripped end of the wire in half and insert both halves into the red female spade connector until it stops. Where the wire goes into the crimp connector, the wire goes through a large barrel and then a small barrel. Using a crimping tool, crimp the wire in place (in the small barrel). Now crimp the outer most barrel (the large barrel) for mechanical strength. Repeat for the remaining power wire ("A" or "C"). Plug the red female spade connectors onto the fuse holders.

Turn Light Separate:
Strip 0.250" - 0.375" (1/4" to 3/8") of insulation off of the end of the "A" and "C" conductors. Twist both of the conductor strands together. Insert the twisted conductors into a red female spade connector until it stops. Where the wire goes into the crimp connector, the wire goes through a large barrel and then a small barrel. Using a crimping tool, crimp the wires in place (in the small barrel). Now crimp the outer most barrel (the large barrel) for mechanical strength. Plug the red female spade connector onto the fuse holder.

STEP 12: INSTALL THE FUSES

Make sure there are no bare wires showing on the "A" and "C" conductors. If they are OK, then insert the provided 1 amp fuses into the fuse holders and re-connect the automobile battery.

STEP 13: TEST THE LIGHT

Have a friend press on the brake pedal for you. The Logo Lites auxiliary brake light should illuminate. If it does not, re-check all connections for continuity, and that the supply wires are connected to the correct harness wires.

That's it! Now you are ready to go cruising!

Note: For best results, window mounted Logo Lites auxiliary brake lights should be allowed to set up for 24 hours at temperatures exceeding 75 °F.

TIPS, HINTS, AND SUGGESTIONS

Here are some tips, hints, and suggestions that may be helpful to you:

* All of the black plastic in this product is high temperature ABS. Much plastic is discarded after installation. Please be environmentally conscious and recycle the excess plastic.
* The plastic parts are made of ABS plastic, so you can use a standard "model" glue for extra strength in the part joints if so desired.
* If you are going to paint your Logo Lites Auxiliary Brake Light, slide the power cord through a large drinking straw. This will help to keep over spray off of the power cord.

* For some special mounts when you are not mounting to the window, you can drill a hole in the "foot" of the window mount so that it can be screwed down like the package tray mount.

TROUBLE SHOOTING

Note: In "combined" turn light systems, **both** brake lights must illuminate for the Logo Lites Auxiliary Brake Light to turn on.

If the unit does not light, it could be from any of the following:

Cause	Test	Solution
Disconnected or dead battery	Check if head lights work	Connect battery, clean terminals, or charge
Turn signal on and ignition off	Check if **both** regular brake lights work	Turn off turn signal or turn on ignition
Bad brake light switch or vehicle fuse	Check if regular brake lights work	Check fuse or replace brake light switch
Incorrect wiring	Check against drawings in Step 11	Re-wire as shown in Step 11
Blown auxiliary brake light fuse	Remove fuse and test	Check wire for abrasions or short to ground. Replace fuse.
Bad ground	Run wire from battery ground to light ground connection	Clean ground connection/relocate ground connection
Bad connections	Check all connections from vehicle wiring to auxiliary brake light	Fix or clean bad connections

If you have confirmed that none of the above are causing the auxiliary brake light not to illuminate, call the Consumer Hot Line shown on the front of this manual.

REPLACEMENT PARTS GUIDE

If you need to order replacement parts, you can order the following:

P.N.	NAME	DESCRIPTION	PRICE
236-500	Mounting Kit Master Pack	Kit includes all parts that come with a Logo Lites Auxiliary Brake Light except for the auxiliary brake light itself.	9.95
236-501	Mounting Kit Mini Pack	Kit includes all plastic parts shown in Figure 1, page 5 with the word "Mount" in their description. Also includes adhesive kit, suspension arms, and hardware kit.	5.95
236-502	Wire Extension Kit	Contains a 10 foot extension with 3 butt connectors	3.95
236-503	Inclinometer	Kit includes the inclinometer, pointer, #8 machine screw, and #8 machine nut	1.95
236-504	Electrical Kit	Kit contains all electrical connectors and fuses for installation	3.95
236-505	Hardware Kit	Kit contains all hardware components shown in Figure 1, page 5 with the phrase "#8" in their description plus a hex wrench.	3.95
236-506	Adhesive Kit	Kit includes 2 alcohol wipes and 3 adhesive pads.	1.95
236-507	Suspension Arm Kit	Kit includes 1 small, 2 medium, and 1 large suspension arms.	1.95
236-508	Fuse	2 each, ATO 1 amp blade fuses	1.95

Prices are in U.S. Dollars, are subject to change, and do not include shipping or handling charges.

To order, call us at the Consumer Hot Line shown on the front of this manual.

LIMITED WARRANTY

Creative Connections, Inc. (hereinafter "CCI") warrants to the Purchaser of this unit that this unit will be free of defects in workmanship and materials for a period of ninety (90) days from the date of purchase. "Defects" as used herein, refer only to those imperfections which impair the utility of the product. Defective units reported or returned to CCI within ninety (90) days from date of purchase will be exchanged or repaired without charge at the option of CCI.

This warranty is limited to the repair or exchange of the product and does not cover and CCI will not pay nor provide any other benefit or service including labor or materials which may be necessary to remove or replace a defective unit. CCI shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use or failure of this product. It is the user's responsibility to determine the suitability of this product for its intended use. User assumes any and all risk or liability in connection with the installation and use of this product. This warranty does not apply to any defects resulting from abuse, negligence, intentional damage, modification, improper installation, unreasonable use, exposure to elements, or over-tightening of fasteners.

Defective units should be reported directly to CCI and not to your retailer. Contact CCI through the Consumer Hot Line through the telephone number shown on the front of this manual or write to the address shown on the back of the manual. Identify the Logo Lites product purchased, the date and location of purchase, and the nature of the alleged defect. Do not ship your product back to CCI unless and until specifically directed to do so. Shipping instructions will be provided to you at the appropriate time. All defective products returned must be accompanied by proof of purchase.

This warranty is not transferable and applies only to products sold within the United States of America, the District of Columbia, the Commonwealth of Puerto Rico, territories of the United States, and Canada.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. CCI SHALL NOT BE LIABLE TO ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY OR OTHERWISE, APPLICABLE TO THIS PRODUCT, SHALL BE LIMITED IN DURATION TO THE DURATION OF THIS LIMITED WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

P/N: 100-001
Rev B

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