



## **Model A Turn Signal Kit Installation Guide**

**Creative Connections, Inc.**

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## INTRODUCTION AND PREPARATION

### INTRODUCTION

Thank you for purchasing a Logo Lites® Turn Signal Kit. Your turn signal kit was built to high quality standards to provide you with years of reliable service. This manual should serve as a guide for installing a turn signal kit on 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 turn signal kit 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 (other than Model A), etc. are located in the vehicle,
4. and you read and follow the instructions very carefully.

### SAFETY INFORMATION

- Read the instructions completely before starting the installation of your turn signal kit.
- Never attempt automobile wiring without first disconnecting the battery.
- 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 installation discussed is for reference only and does not indicate that any particular configuration will be safe for all vehicles. A safe and secure installation is solely the responsibility of the installer!!**

### TOOLS NEEDED

- ◆ SAE 3/4" wrench
- ◆ Wire crimp tool
- ◆ Wire cutter
- ◆ Wire stripper
- ◆ 1/4" Flat blade (common) screwdriver
- ◆ 1/2" socket wrench

## OVERVIEW

This kit provides all the necessary parts to install a Logo Lites Turn Signal Kit on your Model A Ford. The two main parts of the kit are the controller (Figure 1) and the four turn signal assemblies. The turn signal assemblies are mounted on the bumper under the bumper clamps, and the controller is mounted on the gas tank to the left of the steering wheel with a very strong magnet. The controller is mounted such that the turn signal switch is at the bottom as shown in Figure 1. Generally, the wires are routed from the controller, behind the kick panel area, and out to the four corners of the car. The controller works on 6 or 12 volt cars with positive or negative ground. The controller “senses” the polarity and voltage, so there is no wiring to reverse or switches to flip.



**Figure 1**

To operate the controller, flip the switch on the front all the way to the left to actuate left turn signals. Flip it all the way to the right to actuate the right turn signals. Flip it to the center position to turn the turn signals off. Flip the switch on the side of the controller up to turn the hazard warning flashers on. Flip the switch on the side down to turn the hazard flashers off.

## HARDWARE COMPONENTS

Review all the parts shown in the list below. 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 at the Consumer Hot Line phone number listed on the front page of this manual for immediate response.

Qty	Item	Qty	Item	Qty	Item
1	Controller	4	Turn Signal Assemblies	1	Male, 5 Pin Connector
1	Small Screwdriver	4	Female Bullet Connectors	4	Male Bullet Connectors
1	Large Ring Terminal	1	Small Ring Terminal	1	Push On Connector
50'	Black Wire	1	Fuse Holder	1	1 Amp Fuse
6"	Black Wire	5'	Red Wire		

## INSTALLATION

### STEP 1: ATTACH TURN SIGNAL ASSEMBLIES

1. Disconnect battery.
2. Crimp the MALE bullet connector to the turn signal assembly wire.
3. Using 3/4" SAE wrench, remove bumper clamp nut from back of bumper clamp.
4. Remove bumper clamp backing plate.
5. Slide 1 turn signal assembly over the stud with lens assembly towards edge of car.
6. Re-assemble and tighten with turn signal assembly between bumper clamp backing plate and bumper bracket.
7. Repeat for other 3 turn signal assemblies.

*Tip: Tie wrap the wires to the bottom of the bumper brackets with black tie wraps to hide the black wire.*

### STEP 2: RUN WIRES

1. Remove driver's side kick panel.

*Tip: In closed cars, remove dash panel for easiest access.*

2. Run a separate wire from dash through kick panel area out to each turn signal assembly. Leave enough extra wire at the dash end to connect to the controller when it is mounted on the gas tank.

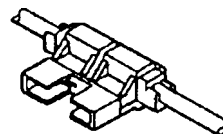
*Tip: Run 4 black wires through steering column grommet.*

*Tip: Tie wrap rear wires to original rear going harness.*

*Tip: Run rear wire across with right brake light wire.*

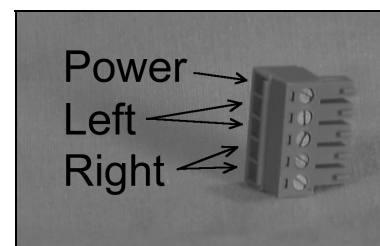
*Tip: Put a small piece of tape around the dash end of the left hand wires when you run them to keep track of them for inserting into the 5 pin connector.*

3. Crimp FEMALE bullet connector to the wire and plug into MALE bullet connector.
4. Crimp large ring terminal on the short black wire and crimp push on connector on the other end of the wire.
5. Remove left most gas tank bolt with socket wrench.
6. Insert gas tank bolt through large ring terminal on short black wire.
7. Re-install gas tank bolt to complete chassis connection.
8. The fuse holder must now be installed in the 5' red wire. Start by cutting about 6" of red wire off of the 5' piece.
9. Crimp small, insulated #10 ring terminal to 6" fuse wire.
10. Crimp opposite end of the 6" wire to blue fuse holder.



*Tip: If you are not familiar with this type of fuse holder, then hold it in your hand with the two metal pieces at the top and facing you. The wires go into the fuse holder at the bottom, through the holes from the left and from the right. Push one wire into the right side until it hits the middle stop, you may have to twist the wire to get it to go into the hole. Now take the piece on the top right (with the metal in it) and fold it towards the wire until it contacts the wire. Now take a pair of pliers and press it the rest of the way down until the latch catches. Repeat this for the wire on the left side.*

11. Crimp remaining red wire to the opposite end of the fuse holder.
12. With fuse holder inside the cab, insert ring terminal through speedometer cable hole in firewall and into the terminal block.
13. Connect ring terminal to the terminal block post that the coil is not connected too.
14. Run red wire from terminal box on firewall to dash through kick panel area.
15. Strip approximately 1/4" to 5/16" of insulation off of the end of the red wire and the 4 black wires located inside the cab.
16. Unscrew the five screws in the five pin connector several turns so that there is enough room for the wires to be inserted under the tiny clamps.
17. With screw terminals facing you and holes on the left, insert red, power wire into top hole of connector (see Figure 2) and tighten screw.
18. Insert left turn signal two wires into the next two holes (see Figure 2) and tighten **firmly**.
19. Insert right turn signal two wires into the bottom two holes (see Figure 2) and tighten **firmly**.
20. Replace kick panel.



**Figure 2**

### **STEP 3: ATTACH CONTROLLER**

1. Push chassis connector onto top terminal of controller.
2. Insert 5 pin connector into controller jack.
3. Allow magnet to attach the controller to the gas tank.
4. Install 1 Amp safety fuse into fuse holder.
5. Re-connect battery.

## TROUBLESHOOTING

Symptom	Test/Solution
Turn Signals Do Not Work:	<ol style="list-style-type: none"> <li>1. Make sure battery is charged and connected.</li> <li>2. Make sure 5 pin connector is fully inserted and power wire is tight.</li> <li>3. Make sure chassis connector is fully pushed onto controller and is tightly connected to chassis at the ring terminal.</li> <li>4. Touch test light to top screw of 5 pin connector. If it does not light, the fuse may be blown, the power connection may not be good at the terminal block post, or the screw may not be tight enough.</li> <li>5. Turn the turn signal on and touch controller case with test light. If the test light lights, the chassis connection is bad.</li> </ol>
One Signal Light Does Not Work	<p>If one light does not work, swap the wire with another light on the 5 pin connector. If light still does not come on, the wire going to the light is shorted to the chassis, there is a poor connection in the bullet connector, or the turn signal assembly has a poor connection to the chassis.</p> <p>If the other light that previously did work now does not work in the same position as the first light that did not work, you either have a bad 5 pin connector or a bad controller. Contact Creative Connections at the Consumer Hot Line on the front of this manual for help.</p>

## 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 one (1) year 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 one (1) year 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.

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