

Thank you for purchasing our third brake light kit for 12 volt systems. We feel this is an excellent upgrade for any classic car. If you have any questions or comments please contact our technical assistance line at 740/622-9700.

### **Third Brake Light Instructions - '55-'57 T-Birds**

Please read and understand instructions before proceeding with the installation of this kit.

Your third brake light kit includes the following items. Please check to make sure all pieces are in the kit.

- Wiring harness
- Primed PVC lamp housing with 2pc screws
- Primed PVC bottom cover
- LED lamp board with 3-way flat plug
- 2pc Suction cups
- 2pc double sided foam tape

Materials and tools needed:

- 320 or finer wet/dry sand paper
- Color paint of your choice
- Clear silicone sealant
- Masking tape

#### **Assembly**

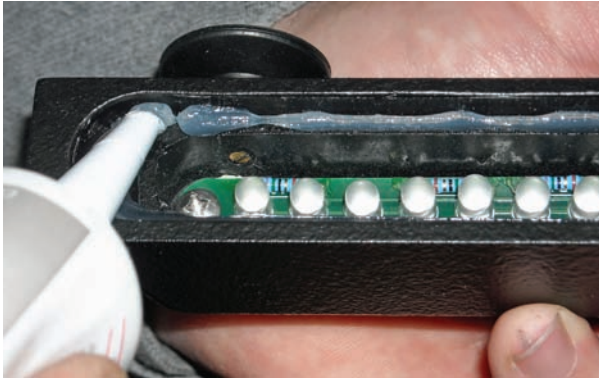
1. To protect the LED board, it has been temporarily installed in the housing. Please remove the two screws holding the LED board, and remove the LED board from the housing. Set the LED board and screws aside while finishing the housing.
2. The PVC housing and cover have been shipped with a coat of primer. For best results, lightly sand the housing and cover before applying the color coat of your choice.
3. After your final color coat has completely dried, reinstall install the lamp assembly by passing the 3-way flat through the front of the lamp housing and down through the hole in the bottom. Secure the LED board with the two screws. Do not overtighten screws.

NOTE: Make sure that the LED board is not installed upside down. When correctly installed, there will be 8 small resistors and 2 diodes on the bottom. Also the top left hand corner of the circuit board is marked "TOP"

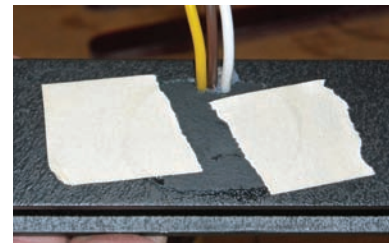


4. Test fit the lens in the housing. The lens was test fit at our facility, but depending on how much paint was applied during finishing, it may be necessary to lightly sand the sides of the lens, or scrape some of the paint out of the housing. The lens should fit snugly.

5. Note: Before sealing the lens in place, double check that the circuit board is not installed upside down. Apply a small bead (1/8 diameter or smaller) of clear silicone sealant to the lens pocket. The lens will be secure without the silicone sealant, but the goal here is to help seal out water.



6. Apply a small amount of silicone sealant to the cover pocket on the bottom of the housing. Install the pocket cover, making sure that the wires have a bit of sealant on them where they exit the housing. Using a couple small pieces of masking tape, lightly tape the cover on while the sealant cures.



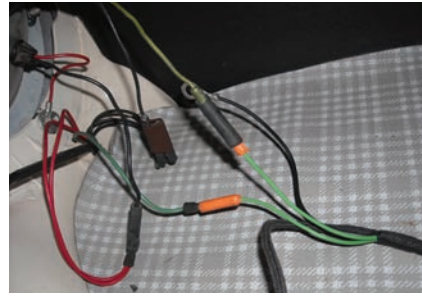
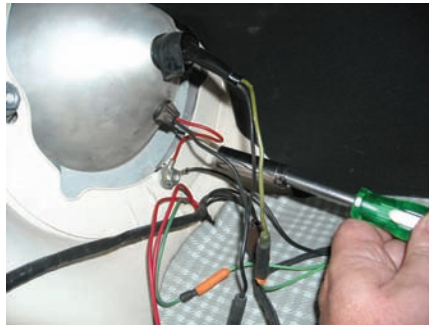
### **Install wiring harness**

1. Lay out the wiring harness and see that the 3-way flat plugs into the 3-way flat on the LED assembly, the green wires with orange ends hooks into the LH stop lamp, the black wire with eyelet terminal provides a ground, and the orange wires with blue terminals hook up to the RH stop lamp.

2. Open the trunk lid and route the wiring harness as discreetly as possible. To get from the LH lamp assembly to the RH lamp assembly, route the wiring harness along the car's existing wiring harness.

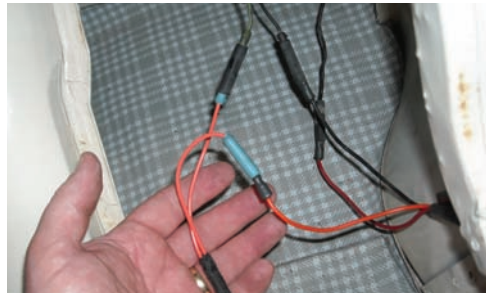


3. At the LH lamp, remove one of the nuts from the lamp housing and secure the grounding eyelet. LED's require very good ground connections. Make sure that this connection is a good ground.



4. At the LH lamp, disconnect the green wires that connect to the tail lamp assembly. Plug the green wires of the third brake light harness into these wires.

5. At the RH lamp, disconnect the orange and green wires and install the orange wires of the third brake light harness into these wires.



6. Secure the wiring so that it won't be bumped or snagged on luggage in the trunk.

#### **Suction Cup LED Installation**

1. To use your third brake light with the suction cups, simply screw the suction cups into the holes on the bottom of the LED assembly, moisten the cups, and stick the assembly on the back edge of the trunk lid. Rout the wires and 3-way flat into the trunk and make the connection with the 3-way flat of the wiring harness.

Caution: CASCO does not suggest leaving the suction cups installed longer than necessary. We have not seen any problems on fully cured paint, but it makes sense that marking of the paint is possible.

#### **Double Sided Foam Tape LED Installation**

1. If you choose to use the double sided foam tape attachment, please take the time to test fit the lamp assembly on the trunk. The double sided foam tape is very sticky and will not allow repositioning without tearing the foam tape.

2. Remove the round backing paper from the foam tape, and stick the foam tape on the over the holes on the bottom of the LED assembly. Leave the other backing paper on the foam tape for now.

3. Rout the wires into the trunk. Apply some masking tape to the trunk lid to guide where you want to install the LED assembly.
4. After dry running the placement a couple of times, carefully remove the square backing paper from the foam tape and carefully place the assembly onto the trunk lid.

#### **Installation on other cars**

If you use the suction cup installation above, you can quickly move your third brake light kit to another vehicle. All you need to make this easy is another wiring harness. The harness is available from CASCO and is part number 13467H.

#### **Testing**

Before taking your vehicle on the road, make sure that your original brake lamps and third brake lamp are working properly. Start the car and turn one of your turn signals. Your original lamp and 1/2 of the third brake lamp will blink. Turning on the other turn signal will cause the other half of the third brake light to blink. When you step on the brakes, both halves of the third brake light should light simultaneously. If one of the light does not light, double check the connections. If the third brake light does not light at all, check the 3-way connection and the ground connection at the eyelet. [Click here to view a video clip of one installed in our shop.](#)