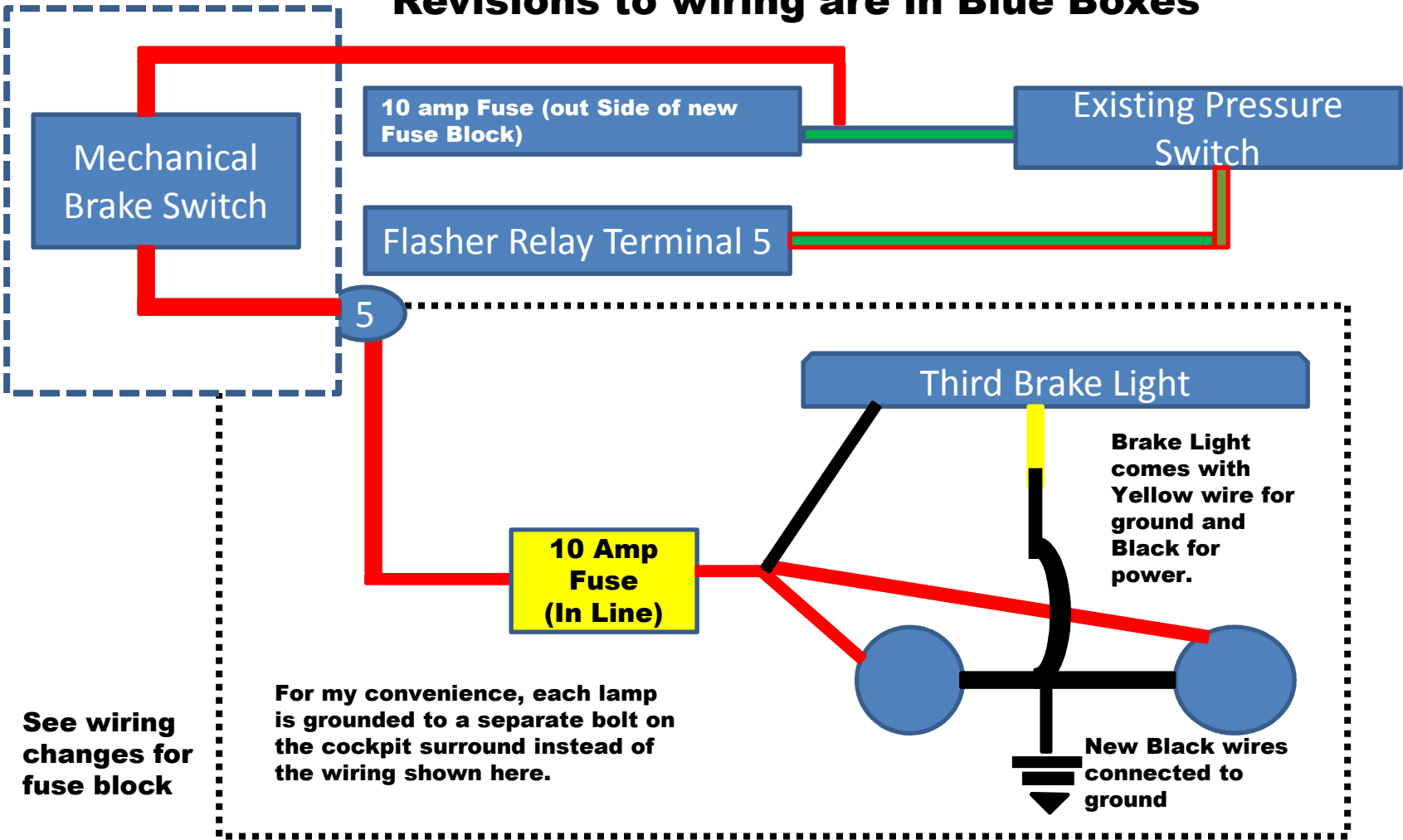


# Brake Switch Circuit

Revisions to wiring are in Blue Boxes



See narrative on next page for changes in dotted line boxes.

# **Third Brake Light, Wiring Reflectors and Mechanical Brake Switch On a Positive Ground Car.**

**(See End Notes for a Negative Ground Car)**

## **Third Brake Light 1A Auto Parts number 1ALTL00343**

- 1. Route a **Red** wire from the Flasher Relay post #5 and run it along side of the Fresh Air Duct. Cable Tie down.**
- 2. Route the wire through a fire wall grommet nearest to the left fender.**
- 3. Snake the wire under the wiper motor and then down the inside the left kick wall panel.**
- 4. Route the wire under the Furflex molding in the door surround and up to the rear of the drivers side door to the rear package shelf.**
- 5. Connect an in-line fuse leaving enough slack to relocate the end of this assembly. Connect the **Black** wire from the Third Brake Light to the end of the **Red** Wire.**
- 6. Connect a **Black** wire to the **Yellow** wire on the Third Brake Light and ground it by connecting it to a cockpit surround bolt.**
- 7. Cable tie all lines and cover all connections with electrical tape.**

## **Third Brake Light, Wiring reflectors and Mechanical Brake Switch (Continued)**

**For reflectors - Interlight Socket BA15D (2 Required) Bulb 20w 12V MR11 BA15D:**

- 1. Remove the reflectors and drill out the rubber backing by one inch. Trial fit and drill more as required.**
- 2. Fit the light assembly (adjusting the rubber cutout as required careful to not cut through the flange)**
- 3. Assemble the reflector elements and install on the car.**
- 4. Run a ground wire on each side through the channel to the spare tire shelf.**
- 5. Attach a ground wire to the cockpit surround bolt – each to its own side.**
- 6. Run a hot lead from each reflector through the channels and join with the Third Brake Light wire and then to the in-line fuse.**

**Note – The wiring for the Third Brake Light and the Blinking Stop Switch is for a positive ground car. The Third Brake Light Strip is polarity sensitive.**

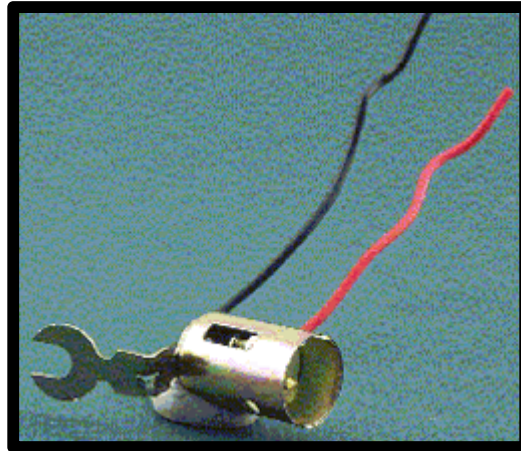
**For a negative ground car, the **Black** wire on the Light strip goes to ground and the **Yellow** wire on the Light strip goes to power.**  
**The reflector lights are not polarity sensitive unless LED's are used.**



# Parts used for Brake Light Conversion



**Bulb 20w 12V  
MR11 BA15D**



**Interlight Socket  
BA15D**



**Third Brake Light 1A Auto Parts  
number 1ALTL00343**



# **Mechanical Brake Switch**

## **Watson's Street Works Switch #L08**

### **Installation Notes:**

- 1. Use a 1 ½ inch “L” bracket available at Home Depot to attach the Mechanical Brake Switch with the following modifications.**
  - A. The holes on one leg must be widened or elongated to match the holes in the switch bracket.**
  - B. Paint the bracket body color if you desire.**
- 2. Drill a pilot hole on the frame of the Fresh Air Ventilator Door to accommodate a ¾” long ¼” diameter self-tapping bolt head screw.**
- 3. Adjust the swing arm of the switch so that it is fully up when installed. (When the brake pedal is depressed, the arm will fall because of an internal spring thereby closing the electrical circuit illuminating the brake lights.)**

### **Wiring:**

- 1. Run a **Red** wire from the switch through a firewall grommet as in the installation of the Third Brake Light and connect it to the fused side of terminal 2 on the new fuse block (see that drawing)**
- 2. Run a **Black** wire from the switch through the same grommet to Terminal 5 of the Flasher Relay as in the installation of the Third Brake Light.**

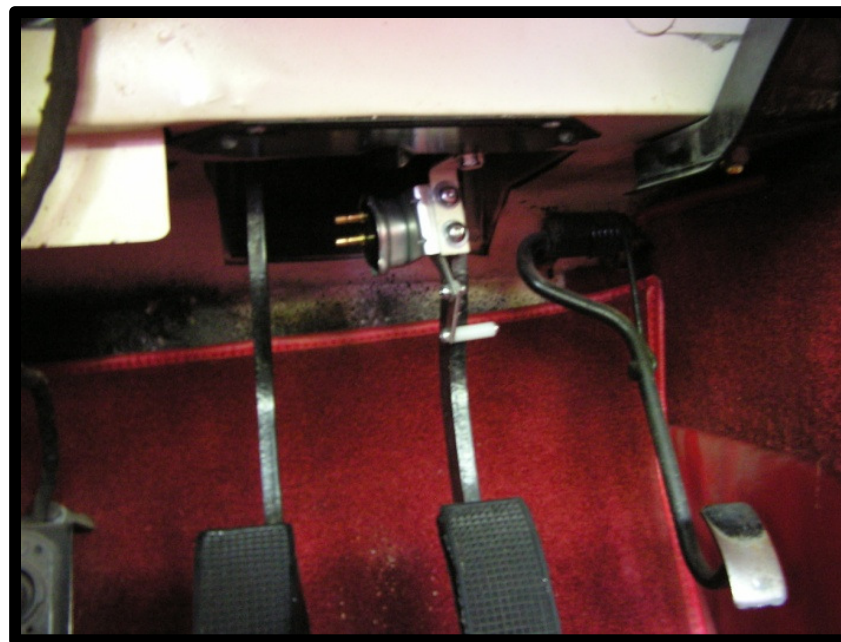
**See photos on the following slides which are in installation order.**

**Watson's Street Works  
Mechanical Brake Light Switch #L08**

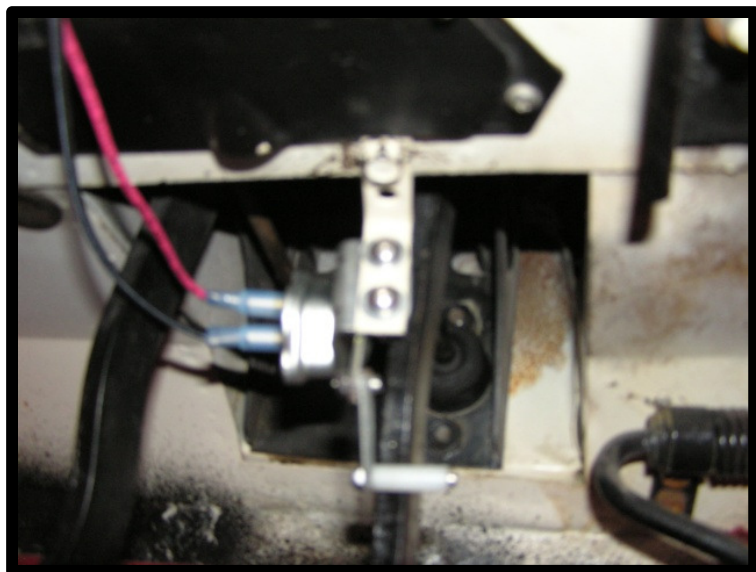




**“L” Bracket as purchased**



**Assembly installed on Ventilator Door Surround. You should be sure to open the door as you install this or it may prevent the door from opening.**







**Close up of the relay box showing the **Red** wire from the Third Brake Light and the **Black** wire from the Mechanical Brake Light Switch attached to Terminal 5. I used Ring clips for security. Colors vary to indicate the circuit.**