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DRIVE IT !



Thank you for buying a StreetWorks product. Be confident that it will provide the quality and performance that you demand for your car. ***Please read and understand all installation instructions before beginning.*** Planning and preparation will make the actual installation process easy and quick.

A Third Brake Lights is one of the best safety features that you can add to your vehicle. Our 60 LED light is one of the larger and easiest to use 3rd brake lights available in the street rod industry, today.

1. Determine the location for the unit. The acrylic lens will be able to accommodate about 1/4" of total curvature. It may be necessary to modify the surface in the area where the lens is to be installed so as to accommodate a straighter surface. Do not expect or attempt to bend the acrylic lens - it will break. Don't mount the unit too low or it may be hard to see from behind. The LED is intended to be installed horizontally **and remember** that LED brake lights must point straight backwards, that is, horizontally as the vehicle sits level and, preferably, be reasonably close to eye level. Plan as you build so that any spacers or modifications to the sheet metal/fiberglass are done to achieve these end results.

2. Layout the lens slot. We recommend that you first have available (or make) a .500" wide block to use as a test gauge for the slot. **DO NOT** use the acrylic lens as a test gauge nor try to force the lens into place! Carefully layout and then drill/cut the slot opening for the lens. Drill (2) .500" Diameter holes that are 14.750" apart center-to-center (15.250" total slot width). Then cutout the slot between the holes. NOTE: Standard drill bits do not always make a nice round hole! We recommend that you be conservative and hand work the holes up to the correct size. It is not life-and-death critical that the hole size not get too large, it can be fixed later, but the closer the size, the straighter the edges and the more carefully you do the hole the first time, the better the overall job will be. Properly sized, the lens will cleanly go into the slot with no friction. Remember that there will be a small amount of paint buildup on the edge before final installation.

3. Prepare for LED Housing attachment. We have included screws for use as studs for attaching the LED Housing. These should be welded, fiberglassed or epoxied into the body - BE SURE that they are absolutely secure. To best determine the stud location, temporarily tape a lens into the hole and then place the housing over the lens/diffuser. You will notice that the housing goes over the diffuser and "self-locates". Mark and install the studs. In many cases you may tape the lens FROM THE OUTSIDE IN to do the marking so that it will be easier to see and mark for the studs. If the LED's are going to be properly horizontal for best viewing, the studs will also be very close to horizontal. Double check all fit and alignment before proceeding.

4. Body work. The entire area around and including the lens hole should be worked to the exact contour you want for the finished surface. This will reduce the amount of work needed after the lens is installed.

5. Lens Installation. With steps #2, #3 and 4 above completed, permanently epoxy the lenses into place. Be very careful not to use too much or to get the epoxy in the way of subsequent housing installation. Add filler around the lens as needed and carefully work it down to the final lens level. (**IMPORTANT TIP:** You want to get final color on the surface immediately around the acrylic lens AS SOON AS POSSIBLE to prevent subsequently sanding through to reveal filler or primer. You want the last sanding of the lens to leave the lens surface perfectly flush with color paint.) Do the bodywork to "flush" the lenses to the body as one unit - carefully block sanding so as not to work the acrylic lower than the surrounding surface. When getting "close" to smooth, shoot with color and wet sand back smooth. Repeat and again wet sand back smooth to reveal all of the lens. Finally, clear coat over the paint, lenses and all then finish sand/polish. (You may mask off the lenses before painting if you prefer.) Repeated clear coats may be needed to buildup and smooth the area.

**"Hot Slot" Flush Mount Build- in LED 3rd #L58BTACL
 Brake Light Kit with Red 3rd Light and
 Amber Turn Signals, Clear Lens**

- ☐ High Bright 35 Red LED 3rd Light with 8 Ultra Bright Amber LED's at each end for Turn Signals, in an aluminum housing with wire leads and hardware for stud mounting.
- ☐ (1) preshaped 1/4" thick clear acrylic lens with diffuser for build-in flush installation with large 1/2" x 15-1/4" size.
- ☐ No complicated control module required.

NOTE: This is a build-in kit requiring body working skills and is intended for vehicles that are under construction or modification.

#L58BTACL - "Hot Slot" Flush Mount, Build-in LED 3rd Brake Light Kit Instructions - continued

6. **The LED Housing** is aluminum and should be primed/painted on the outside to prevent corrosion. Install using the hardware provided. A small amount of RTV or silicone chalk may be desirable after installation to assure a watertight seal.

7. **Wire per the diagram below.** Then reconnect power and check the light function.

Attach one of the gray wires to the front left turn signal feed (or the left dash indicator light feed). If your vehicle has rear turn signals that are separate from the brake lights, you may use one of those feed wires instead.

Attach the other gray wire to the front right turn signal feed (or the right dash indicator light feed). If your vehicle has rear turn signals that are separate from the brake lights, you may use one of those feed wires instead.

NOTE: For the (+) Brake Light Feed - It is best to tap directly off the output from the brake light switch (or brake light relay if so equipped) prior to it going into the steering column or turn signal switch kit. Many aftermarket wiring kits have a wire lead specifically for 3rd brake lights and should be used if available.

Red

Gray Wires

Black

Ground

As a last step, add RTV or Silicone caulk to fill around the edge of the opening for a water tight seal.

**TYPICAL
INSTALLATION -
CROSS SECTION**

LED taillights
should point straight
back - horizontal.

May Require a spacer/washers.

Please Note:

The entire LED housing **MUST BE** sealed tightly to prevent dirt and moisture for damaging LED's and voiding your warrantee.