

Watson's  
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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.

**NOTE:** Our lights meet or exceed all requirements for brightness. However state and local laws vary regarding lens size and placement. It is *your* responsibility to assure that the lights are acceptable for use in your state and local.

**1. Determine the location for the unit.** The acrylic lens will be able to

accommodate about 2-to-3" of total curvature by gently arching. However, it may still be necessary to modify the surface in the area where the lens is to be installed to accommodate a straighter surface. Do not heat the lens trying to bend it. Don't mount the unit too low or it may be hard to see from behind. **Remember** that LED taillights 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 modifications to the sheet metal/fiberglass are done to achieve these end results. Carefully study the diagrams on the reverse side of this instruction to understand how the lens, spacer box and LED Housing go together.

**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 30.250" apart center-to-center (30.750" 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 Housings. These should be welded, fiberglassed or epoxied into the body - BE SURE that they are absolutely secure. The studs will be located 31.750" apart (straight line, not measured along the body curvature). Mark and install the studs. If the LED's are going to be properly horizontal for best viewing, the studs will also be very close to horizontal as the car sits. 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. Also, 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.

**5. Lens Installation.** With steps #2, 3 and 4 above completed, permanently epoxy the lens into place from the inside. Be very careful not to use too much or to get the epoxy on the light transmission surface. Add more color paint as filler around the lens as needed and carefully begin to 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 or to sand through color paint 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, lens 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.

**6. The LED Housing** and Spacer Box are 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 to assure a watertight seal.

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

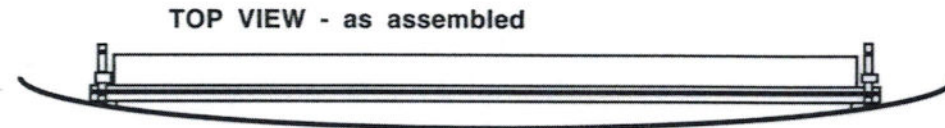
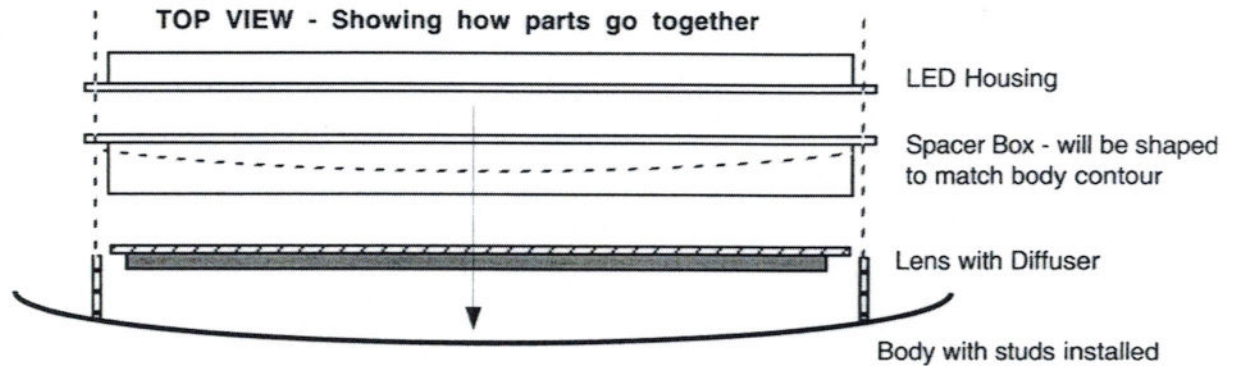
**"Hot Slots" 1-piece Flush Mount,  
 Build- in LED Taillight Kit**

**#L68  
 \$295.00**

- (1) Full length aluminum LED housing with 120 High Bright LED's, wire leads and mounting hardware. Each light is split 40LED/20LED and can be used on cars with separate Turn Signals (40 LED's = Brake/Taillight, 20 LED's = Turn Signal) or as one unit on cars with common Brake/Turn.
- (1) preshaped 1/4" thick red acrylic lens with diffuser for build-in flush installation with large 1/2" wide x 30-3/4" long size.
- (1) Spacer box to help fill body curvature gaps.

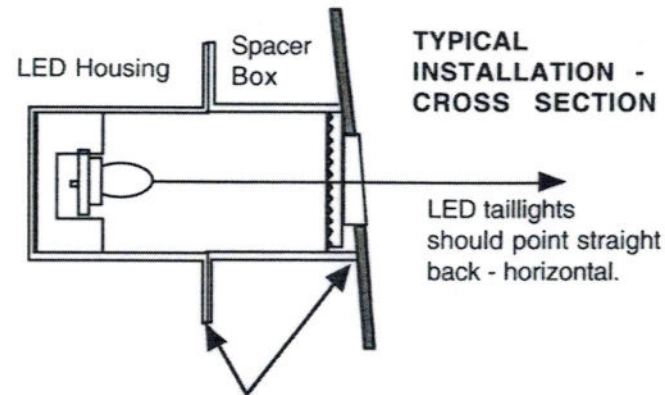
Works with LED or standard front signals - no complicated control module required. **NOTE:** This is a build-in kit requiring body working skills and is intended for vehicles that are under construction or modification. 3.1.09

**Please note** how the LED Housing, the Spacer Box and the Lens will go together. The Spacer Box is an important element - it acts as a light directing “tunnel” between the LED Housing and the Lens as well as a spacer, or filler, between the LED Housing and the body. The flange of the Spacer Box should match to the Flange on the LED Housing while the shaped edge of the Spacer Box fits around the diffuser on the lens, making for an easily sealed assembly.



Notice how the spacer box is used to fill the gap between the LED Housing and the body, making it easier to seal the finished assembly.

See Page 3 for Wirng Instructions.



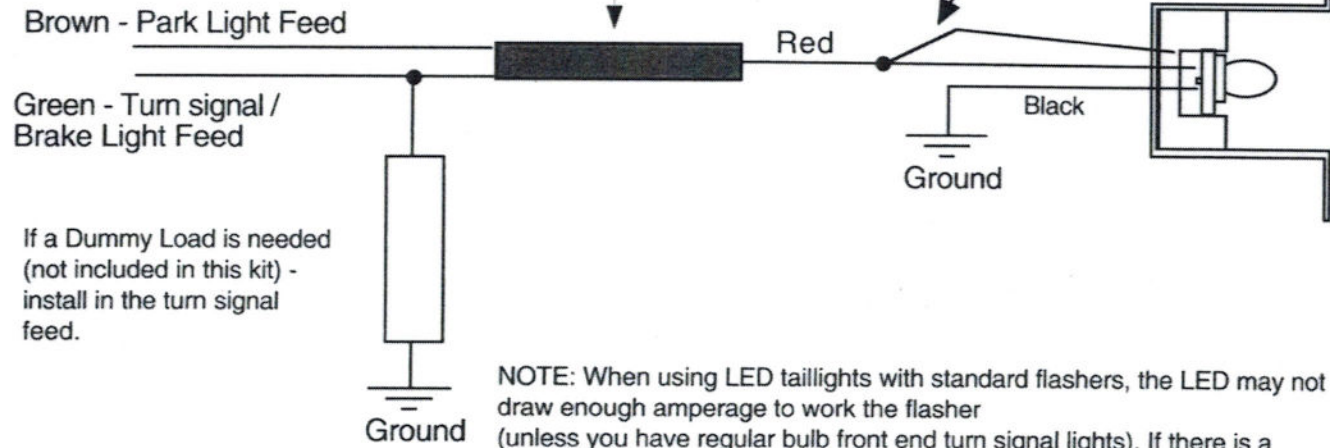
As a last step, add RTV or Silicone caulk to fill around the edge of the opening for a water tight seal. **Please Note:** The entire LED housing **MUST BE** sealed tightly to prevent dirt and moisture from damaging LED's and voiding your warrantee.

(A) - For vehicles with common brake/turn signal function (e.g.: single 1157 bulb) - all 60 LED's are brake or turn and taillights

**Shrink Tubed Conversion Kit**

(Allows the single “element” LED to act as a 2-function light.) One per light. Need not be installed close to LED.

Connect the Red and Yellow leads together.



NOTE: When using LED taillights with standard flashers, the LED may not draw enough amperage to work the flasher (unless you have regular bulb front end turn signal lights). If there is a problem, you will need either a “dummy” load or special flasher unit.

(B) - For vehicles with separate brake/turn signal function - 40 LED's are brake and taillights, 20 LED's are turn signal.

