



# Mars "888" Traffic Breaker LED Conversion Kit

**Easily convert nearly any incandescent Mars "888" Traffic Breaker to the latest and most efficient LED technology.**

The LED888CK will convert an incandescent Mars "888" Traffic Breaker into an LED unit. The conversion requires disassembly and removal of the incandescent bulb, and installation of an LED module and a small electronic LED driver. It will also require removal and replacement of some wires and fasteners. Please read and follow all steps carefully to correctly complete the conversion.

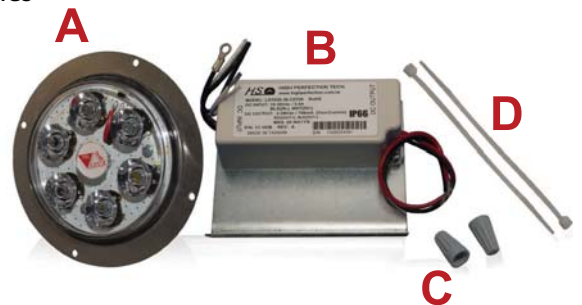
**CAUTION:** The unit must be removed from the vehicle or its supporting structure before starting step 1.

When dissassembling the unit, unless otherwise noted, **DO NOT DISCARD FASTENERS!** Some will be needed for reassembly.

**SEE IMPORTANT WIRE HOOKUP INSTRUCTIONS IN STEP 8 REGARDING GROUNDING CAUTION.**

## LED Conversion Kit Includes:

- A. LED light module with heat sink
- B. DC LED driver
- C. Wire nuts
- D. Wire ties



### STEP 1

Unbuckle the front latch; remove and set aside the trim ring and glass lens.



### STEP 2

Using a 1/2" socket wrench or nut driver, remove the two hex bolts underneath the pedestal. Separate the bullet enclosure from the light housing assembly.



### STEP 3

Unscrew and disconnect the two gray wires that are attached to the back of the bulb. From the front of the light housing assembly, remove the two screws and black retaining clips that secure the bulb to the housing. Remove and discard bulb and clips.



### STEP 4

Detach gray and red wires from the back of the light housing by removing the small nuts and bolts that secure them to the backplate.



**STEP 5:** Remove the two large hex bolts that hold the backplate to the light body. Attach the LED driver module to the backplate/light body using the two removed hex bolts. Tighten securely.



**STEP 6:** Position the LED module onto the front face of the unit. The wires should exit the module. Be sure the module is rotated so that the black and red wires are at the 2 o'clock position. Proceed to reinstall and tighten the two screws in the front face of the LED module.

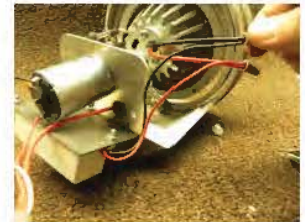


**STEP 7:** LED Driver Hook-up: Attach the black wire with ring terminal to the blackplate using one small nut and bolt that were removed in step 4. This is the ground screw for the LED driver.



**STEP 8:** LED Driver Hook-up: Connect the red wire from the LED Driver to the red wire of the LED Module. Connect the black wire from the LED Driver to the black wire of the LED Module. Use supplied wire nuts for these connections.

**CAUTION!** DO NOT GROUND the black wire from the LED Driver output to the chassis! The LED driver will be permanently damaged if the black output wire is grounded.



**STEP 9:** Connect the white wire from the LED driver to the red wire from the motor and the long red hook-up wire using a wire nut. Use a wire tie to bundle the wires as shown. Run the wire tie through the hole in the backplate to secure. Carefully insert the entire assembly into the housing. For easier future disassemblies, we recommend applying a small amount of anti-seize lubricant to the mating surfaces of the bullet housing and light housing assembly. Reinstall lens, trim ring, and pedestal in reverse order of disassembly.



#### LIMITED WARRANTY

This Tri Lite product may incorporate an LED bulb, warranted to be free from defects in materials and/or workmanship for (3) three years from the date of delivery to Purchaser. The Limited Warranty does not apply to severe applications.

All other components within this unit are under warranty for (1) year. If any component parts do not conform exactly to the specifications and physical dimensions referred to above, and the Purchaser, at its expense, returns the product or component parts to the Seller together with a report of defects, the Seller shall review the inspection report and inspect the items and shall authorize, at its option, either the repair or replacement of any non-conforming products or component parts. Upon expiration of the warranty period, all liability of the Seller shall be terminated.

Seller shall not be liable for any injury, loss or damage, direct or consequential arising out of the use or the ability to use the product. This warranty gives specific legal rights. You may have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so that the above limitation of exclusion may not apply to you.