

# **Custom Dynamics Ultimate LED Undercar Accent Light Installation Kit**

## **Contents**

- 4 3M Adhesion Promoter-Sponge Applicator Packet
- 4 Alcohol pad
- 15 15" Tie wraps
- 2 Heat Shrinkable insulated spade terminals
- 2 3 Position Cage Clamp® Connectors
- 30' 2 Conductor 22 Gauge Wire
- 8 Pieces 3M Heat Shrink Tubing
- 1 Roll 3M Tape

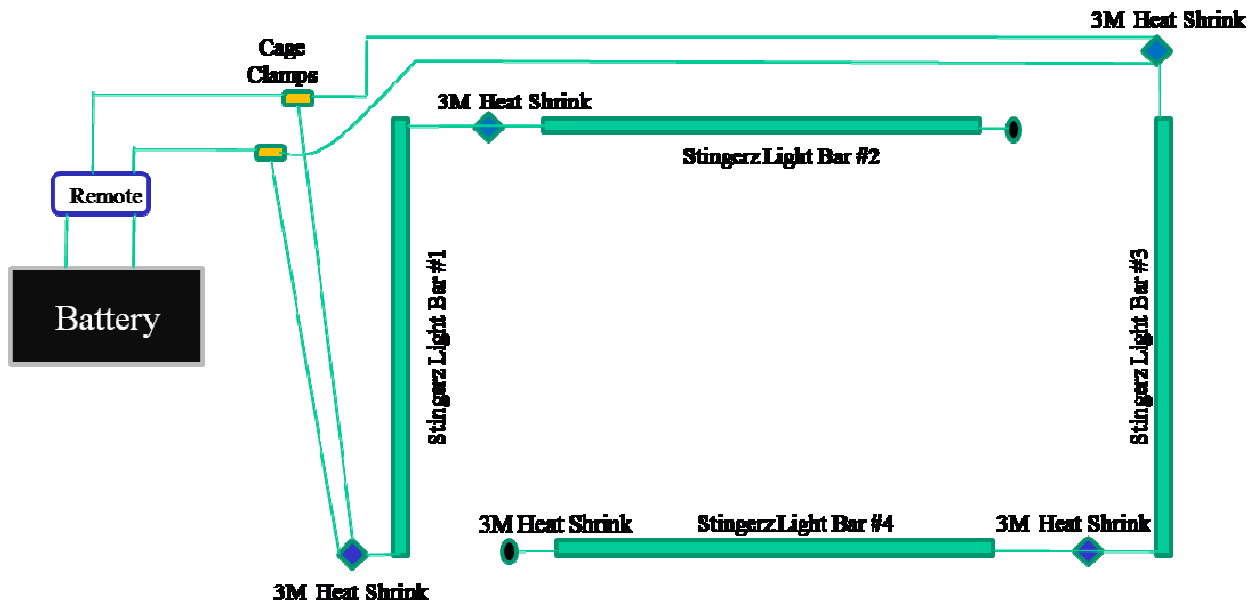
## **Tools Needed**

- Screwdriver (flat and Philips)
- Wire Cutters
- Wire Strippers
- Wire Crimpers
- Heat gun or blow dryer
- Open End Wrenches
- Razor Blade Cutting Tool

1. This kit is designed to be used with one of our Street Magic Remote Controls, if a remote control is not used a rocker switch and fuse can be substituted for the remote.
2. Always wear appropriate safety gear including safety glasses when soldering or performing any electrical work. It is highly recommended that safety glasses be worn throughout this installation process. Temperature of vehicle must be at least 60 degrees F. for tape to properly cure. Read all directions before starting project.
3. Be sure vehicle is on level surface and secure and cool.
4. Select hidden locations to mount LED Accent Lights to provide best coverage. On vehicle sides this is typically the frame rails, on the front and rear of vehicle this can be under the bumper/fender or other suitable location.
5. Clean mounting locations on vehicle with alcohol pads, allow to dry then clean with 3M promoter pads, allow to dry.
6. Carefully remove backing from double sided tape and place light on selected mounting location. Press firmly and hold for 10 seconds. Repeat for all lights to be mounted on vehicle.
7. Connect light bar #1 to light bar #2 using 3M shrink tubing, and extension wire. Repeat process to connect Light Bar #3 to Light Bar #4. To use 3M shrink tubing, strip wires, cut and slide small piece of shrink tubing over one end of wire, twist wires together, it is not necessary to solder them, slide shrink tubing over wires, heat with heat gun or hair dryer. This heat shrink tubing has a special glue that will melt and form a waterproof seal.
8. Cut and cap excess wires on far end of Light Bar #2 and #4 using supplied heat shrink tubing. Slide one piece of tubing over black and one over red, heat with heat gun and pinch end closed.
9. Extend wires off end of Light Bar #1 and #3 using 3M heat shrink tubing such that they extend back to battery compartment of vehicle. Route wires such that they not interfere with normal operation of vehicle.
10. Select several locations to secure all wires to vehicle. Secure wires using tie wraps provided.
11. Connect Black wire to one Cage Clamp Connector. Connect Color Wire to other Cage Clamp Connector.
12. Select mounting location for remote control box near battery, secure remote control box with 3M tape and/or tie wraps.
13. Remove fuse from remote control fuse holder.
14. Connect White wire from remote control to Cage Clamp with Color Wire.
15. Connect Green wire (if remote does not have Green wire then use Black wire) to Cage Clamp with Black Wire.
16. Connect Red wire from remote control to + side of battery using spade terminal.
17. Connect Black wire from remote control to - side of battery or ground using spade terminal.
18. Heat spade terminals with heat gun so that insulation shrinks around wire.
19. Secure any remaining wires with tie wraps.
20. Place fuse in fuse holder and replace cover.
21. Turn on switch and check operation of all lights. Allow double-sided tape to bond for 72 hours before exposing to water

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## Block Diagram



## Cage Clamp Instructions



Open the clamping point using one of the small orange colored levers so that the lever engages and keeps the clamping point in its opened position.

The stripped wire can then be inserted into the clamping unit. When this is accomplished, the lever should be returned to its closed position flush with the terminal block housing. This reliably prevents accidental unclamping of a connected wire.



Strip wire 9 - 10 mm. Use the stripped wire gauge on the back of the connector to verify correct strip length.



Connection: Push up lever and insert conductor . . .



. . . then push down lever to its closed