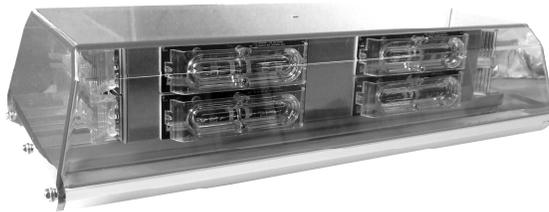


**Model**  
**9018DLED**  
**Dual Colored Ultra-High Intensity Minibar**



**NOTICE**

Due to continuous product improvements, we must reserve the right to change any specifications and information, contained in this manual at any time without notice. Star Headlight & Lantern Co., Inc. makes no warranty of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Star Headlight & Lantern Co., Inc. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this manual.

**LED FIVE YEAR LIMITED WARRANTY**

The manufacturer warrants this LED light against factory defects in material and workmanship for five years after the date of purchase. The owner will be responsible for returning to the Service Center any defective item(s) with the transportation costs prepaid. The manufacturer will, without charge, repair or replace *at its option*, products, or part(s), which its inspection determines to be defective. Repaired or replacement item(s) will be returned to the purchaser with transportation costs prepaid from the service point. A copy of the purchaser's receipt must be returned with the defective item(s) in order to qualify for the warranty coverage. Exclusions from this warranty include, but are not limited to, domes, and/or the finish. This warranty shall not apply to any light, which has been altered, such that in the manufacturer's judgment, the performance or reliability has been affected, or if any damage has resulted from abnormal use or service.

There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend this warranty period. **The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages, including costs of any labor, are not covered.** The manufacturer reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured.

This warranty gives you specific legal rights. You might also have additional rights that may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts. Some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitation(s) or exclusion(s) may not apply to you.

If you have any questions concerning this or any other product,  
please contact our **Customer Service Department** at (585) 226-9787.

If a product must be returned for any reason, please contact our Customer Service Department to  
obtain a Returned Material Authorization number (RMA #) before you ship the product back.  
Please write the RMA # clearly on the package near the mailing label.



**Star Headlight & Lantern Co., Inc.**

455 Rochester Street Avon, NY 14414 Phone: 585-226-9787 FAX: 888-478-2797

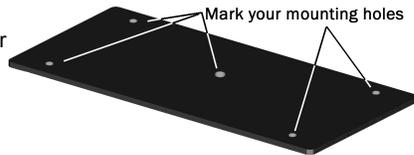


[www.starheadlight.com](http://www.starheadlight.com)

**IMPORTANT:** Please read all of the following instructions before installing your new warning light.

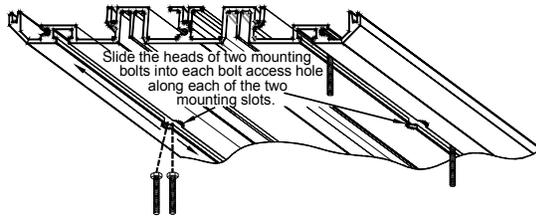
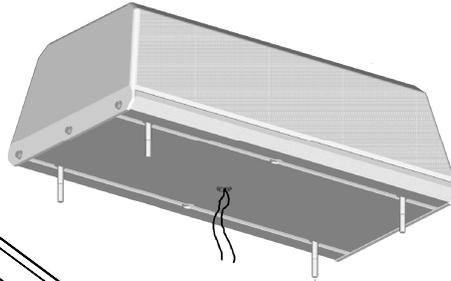
## Mounting

1. Using the gasket as a template, mark the four bolt holes on the mounting surface (and the center wire hole, if you will be needing one).



2. Drill a 9/32" hole in the four marked spots or the mounting bolts.  
**CAUTION: Take care not to drill through the headliner below.**

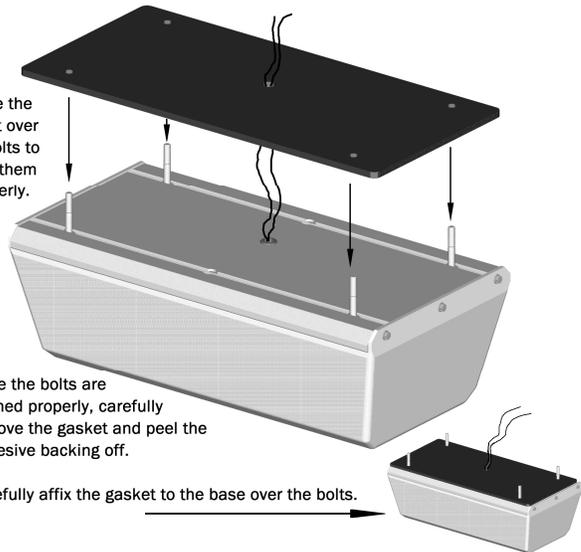
3. Insert the head of two mounting bolts into each of the access holes found along the slots on the bottom of the bar and slide one to each end of the base.



4. Route the wires through the center of the gasket and align the bolts properly BEFORE REMOVING THE BACKING.

5. **Remove the adhesive backing on the gasket and carefully stick the gasket onto the base**, over the bolts, with the wires routed through the center hole.

Place the gasket over the bolts to align them properly.

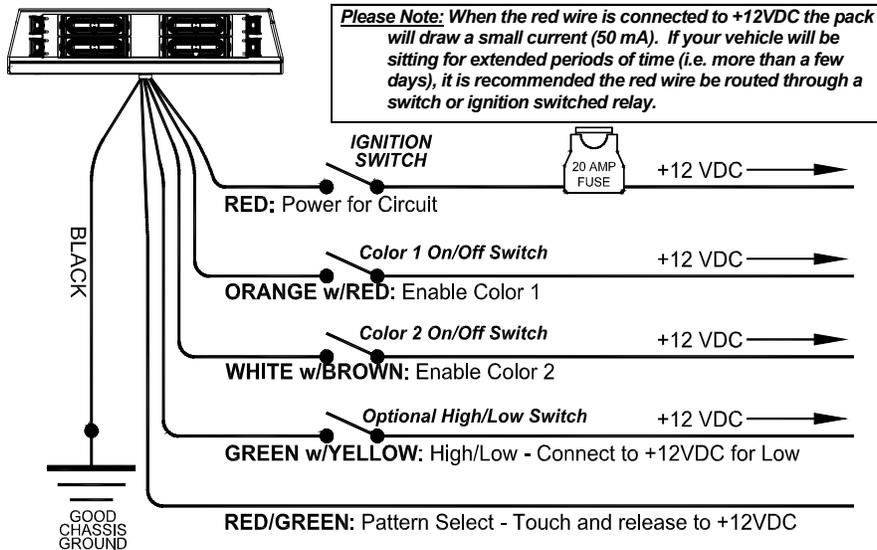


6. Route your wires through the mounting surface if applicable.

7. Install your light with the four bolts going through your mounting holes. Place a washer and nut on each of the bolts and tighten until snug.

## Wiring

**CAUTION:** All of our DC powered warning lights are polarity sensitive. These lights are polarity protected *only if the appropriate fuse is used*. All wires connected to the positive terminal of the battery should be fused at the battery for their rated load. **Testing the light before this fuse is properly installed will void the warranty on the light.**



**Black** - (Ground) Connect to the negative side of the battery.

**Red** - (Power) Connect to +12 VDC through an ignition switched source. This connection is mandatory. *Be sure to use a 20 amp fuse when connecting to the positive side of the power supply.*

**Please Note:** *When the red wire is connected to +12VDC the pack will draw a small current (50 mA). If your vehicle will be sitting for extended periods of time (i.e. more than a few days), it is recommended the red wire be routed through a switch or ignition switched relay.*

**Orange w/Red** - (Enable Color 1) Connect to +12 VDC to activate the primary color.

**White w/Brown** - (Enable Color 2) Connect to +12 VDC to activate the secondary color.

**Green w/Yellow** - (Optional - High/Low) Switches the light between High and Low power.

- High Power Only: Leave disconnected (cover with wire nut or tape)
- Low Power Only: Connect to +12VDC
- High/Low Switching Option: Connect to +12VDC through a switch

**Red w/Green** - (Pattern Select) Touch and release to +12 VDC to change patterns (see next page).



## Pattern Programming

- To change patterns, briefly touch and release the Red w/Green Stripe wire to +12 VDC.
- The cycle repeats after the last pattern.
- **Pattern Shortcuts:** Touch and hold the Red w/Green Stripe Wire to +12 VDC for the length of time that corresponds to the pattern you would like to jump to. Once you find the pattern you wish to display, connect the Pattern Select wire to ground and deactivate the light. This will store the selected pattern.

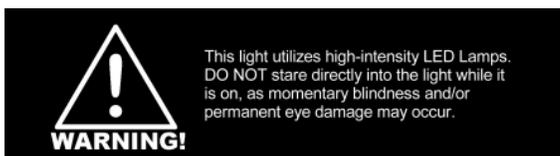
Length of Hold	Unit Blinks	Jumps to	Description
3 sec.	1 time	Pattern 5	Alternating Fast Double
6 sec.	2 times	Pattern 19	Simultaneous Fast Double
9 sec.	3 times	N/A	Intersection Clearing Light Pattern

### Patterns

- |                                   |  |
|-----------------------------------|--|
| 1 Alternating Flicker † (3 sec)   | 20 Simultaneous Triple Flash †                       |
| 2 Alternating Single †            | 21 Simultaneous Fast Triple †                        |
| 3 Alternating Fast Single †       | 22 Simultaneous Quad †                               |
| 4 Alternating Double †            | 23 Simultaneous Quint †                              |
| 5 Alternating Fast Double †       | 24 Simultaneous Double, Post Pop †                   |
| 6 Alternating Triple †            | 25 Simultaneous Triple, Post Pop †                   |
| 7 Alternating Fast Triple †       | 26 Simultaneous Quad, Post Pop †                     |
| 9 Alternating Quint †             | 27 Simultaneous Quint, Post Pop †                    |
| 10 Alternating Double, Post Pop † | 28 Simultaneous Delta Omega                          |
| 11 Alternating Triple, Post Pop † | 29 Pursuit Mode (9 sec)                              |
| 12 Alternating Quad, Post Pop †   | 30 Pursuit Mode 2                                    |
| 13 Alternating Quint, Pre Pop †   | 31 Back and Forth                                    |
| 14 Alternating Delta Omega        | 32 Alt Flicker, Alt Quint, Alt Double, Post Pop      |
| 15 Simultaneous Flicker † (6 sec) | 33 Simul Flicker, Simul Quint, Simul Double Post Pop |
| 16 Simultaneous Single †          | 34 Alternating Quint, Alternating Fast Double        |
| 17 Simultaneous Fast Single †     | 35 Alternating Flicker, All Fast Double              |
| 18 Simultaneous Double †          | 36 Alternating Quad, Post Pop, All Single            |
| 19 Simultaneous Fast Double †     | 37 Combo   |

† - California Title Approved when properly configured

**Please Note:** At any time during the programming sequence, you can "shortcut" to one of three different patterns by holding the Pattern Select wire to +12VDC for the length of time indicated in parenthesis above, then releasing it.



**Please Note:** These instructions are provided as a general guideline only. Specific mounting, wiring, and/or weather-sealing may be necessary and are the sole responsibility of the installer. Star Headlight & Lantern Co., Inc. assumes no responsibility for the integrity of the installation for this or any of its products.



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