

Model
6020LX
LED Minibar



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



These lights utilize high-intensity LEDs. Do not stare directly into the light while it is on, as momentary blindness and/or permanent eye damage may occur.



Hardwire Models : +12-24VDC
Cig Plug Models : +12VDC only



It is the sole responsibility of the owner to ensure the lightbar is mounted securely. Check your light every time you enter the vehicle to ensure that it is mounted securely. The manufacturer assumes no responsibility for the secure mounting of this light.



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STAR
WARNING
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STAR SIGNAL
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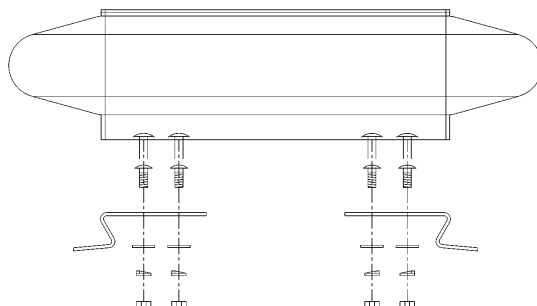
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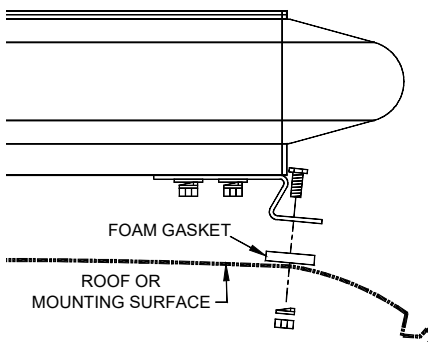
PLIT599 REV. - 3/11/20

Permanent Mounting

1. Carefully remove the lightbar and the direct mount kit included with the bar from its shipping carton.
2. Slide the eight enclosed carriage bolts into the channels running underneath the lightbar. Use four stove bolts for each mounting bracket.
3. Position one bracket on the four bolts at each end of the lightbar and secure both brackets with one flat washer, one lock washer, and one hex-nut on each bolt.



4. Carefully place your lightbar in position onto the roof of the vehicle while using the foot gasket or a pad to protect the roof from scratches. The tabs on the mounting brackets can be bent slightly to an angle that matches the curvature of the roof.
5. Using the mounting bracket feet as templates, mark the areas for the holes to be drilled.
6. Remove the lightbar, and drill holes in the roof of the vehicle. **CAUTION: Take care not to drill through the headliner below.** Remove any burrs.
7. Use the two foam gaskets attached to each leg. Place them between the leg and the roof of the vehicle and attach the lightbar and brackets to the vehicle using four suitable fasteners obtained locally.

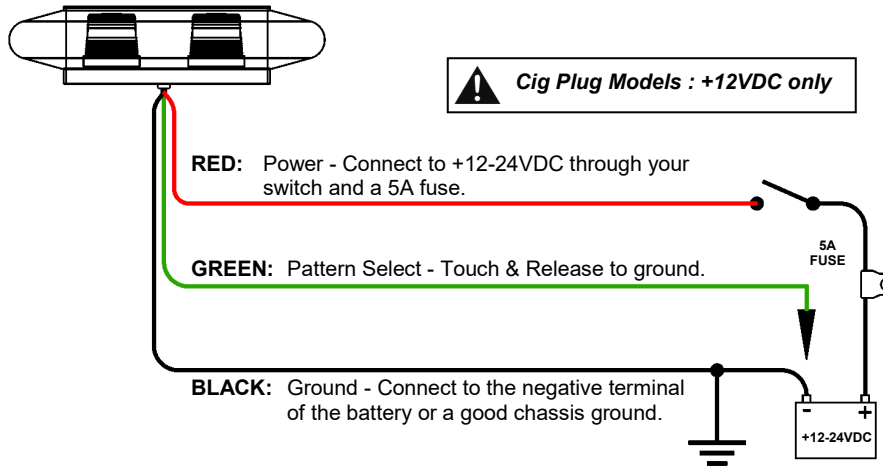


Magnet Mounting

If you are mounting the light on the roof of your vehicle, take extreme care to ensure that the magnets are firmly seated on your roof, and that the pull of the magnets is sufficient to secure the light in place. Since the composition of the metal in the roofs of different vehicles may vary, as well as the contour, texture and/or condition, Star cannot guarantee the ability of the light to remain in place upon a moving vehicle. **It is the sole responsibility of the owner to ensure the warning light is secure.**

Wiring for Permanent Mount Models

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.**



Pattern Programming

- Power up the light and cycle through the flash patterns listed below by pressing Pattern Select switch (*cig plug versions only*), or briefly touching and releasing the green wire to ground (*hard-wired versions only*).



- After the pattern has been set, tape, or place a wirenut over the end of the green wire to prevent it from coming into contact with ground again (*hard-wired versions only*).

3. **SHORTCUTS:**

Review the chart below for a list of how long you need to touch the green wire to ground or hold the Pattern Select button to jump directly to a desired pattern.

Alternating Flash Pattern #	Simultaneous Flash Pattern #	Pattern Description	Shortcut
1	13	Flicker	← Pattern 1 (Phase 1) 3 Sec/1 Blink
2	14	Fast Doubleflash	
3	15	Tripleflash	
4	16	ECE Quadflash	← Pattern 13 (Phase 2) 9 Sec/3 Blinks
5	17	ECE Doubleflash	
6	18	Quadflash	← Pattern 6 (Phase 1) 6 Sec/2 Blink
7	19	Quadflash w/Post-Pop	
8	20	Singleflash	
9	21	Doubleflash	← Pattern 18 (Phase 2) 12 Sec/4 Blinks
10	22	Variable AKA Delta-Omega	
11	23	Post pop	
12	24	Random	← 15 Sec/5 Blinks
NA		Steady	

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.



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.



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.