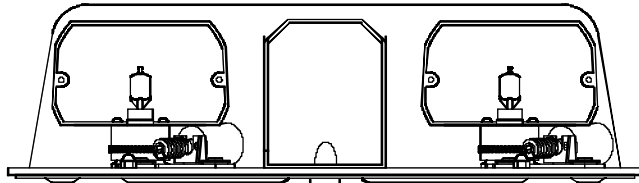
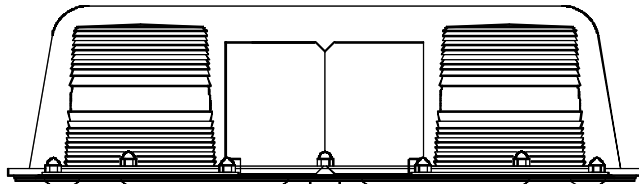
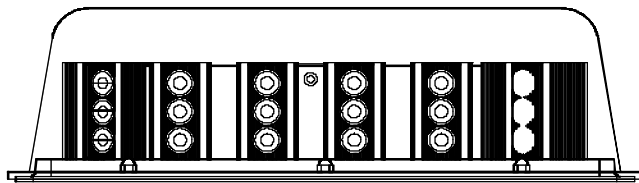

INSTALLATION AND INSTRUCTION MANUAL



9200H & 9200I SERIES



9200S & 9200Z SERIES



9200LX SERIES



Star Headlight & Lantern Co., Inc.

455 Rochester Street Avon, NY 14414

Phone: 585-226-9787 FAX: 888-478-2797



www.starheadlight.com

Please Note: These instructions are provided as a general guideline only. **Some vehicles may require special mounting, wiring, and/or weather-sealing. This is 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.

<u>Model</u>	<u>Voltage</u>	<u>Current Draw</u>	<u>Light Source</u>	<u>Flash Rate Per Side</u>	<u>Total Flash Rate Of Minibar</u>
9200H	12 VDC	8 Amps	50 Watt Halogen Bulb	80FPM	240FPM
9200H-24V	24VDC	4 Amps	50 Watt Halogen Bulb	80FPM	240FPM
9200H-WY	12 VDC	8 Amps	50-Watt Halogen Bulb	160FPM	480FPM
9200H-WY24	24 VDC	4 Amps	50-Watt Halogen Bulb	160FPM	480FPM
9200I	12 VDC	6.5 Amps	35 Watt Incandescent Bulb	80FPM	240FPM
9200S	12-24 VDC	2 Amps	11.25-Joule Strobe Head	64DFPM (128FPM)	512FPM
9200SQ	12-24 VDC	2 Amps	17.5-Joule Strobe Head	42QFPM (168FPM)	672FPM
9200ZQ	12- 24 VDC	1 Amp	Two 3.75 –Joule Strobes	65QFPM (260FPM)	10400 FPM
9200LX1	12 VDC	2.4 Amps	24 High Intensity LED's	User Selectable	User Selectable
9200LX2	12 VDC	4.2 Amps	42 High Intensity LED's	User Selectable	User Selectable

PERMANENT MOUNT VERSIONS

- IMPORTANT:** Please read all of the following instructions before installing your new warning light. This instruction sheet applies only to the models listed at the top of this sheet.
- 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.**
- Remove the dome from your mini-bar. Take care not to damage the gasket. Place the light in the exact position it is to be mounted.
- Using the base as a template, mark four holes on the mounting surface. Take care to ensure that the base does not move while you are marking each of the four holes.
- Remove the base and drill a 3/8" hole in the four marked spots.
CAUTION: Take care not to drill through the headliner below.
- Push the enclosed rubber well nuts through the holes until the bottom side of the wider lip rests on the surface of the vehicle.
- For external wiring of your new Star mini-bar skip to Step 8. For internal wiring, proceed as follows: Remove the headliner from the inside of the vehicle. Draw two diagonal lines between the well nuts in the opposite corners. Mark the location at which they cross. Drill a 3/8" hole in the center marked location. Place the light on the surface of the vehicle, routing the wires through the hole. Align the four other holes with the well nuts, install the screws, and tighten until snug. Skip to Step 9.
- For external wiring, place the light on the mounting surface and align the holes with the well nuts. Install the screws and tighten until snug.
- Replace the dome on your mini-bar.
- Connect the corresponding wires for your model

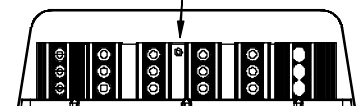
<u>9200H</u> Red: Power Black: Ground	<u>9200S</u> Red: Power Black: Ground Purple: Open for Doubleflash Ground for Quadflash	<u>9200LX1 and 9200LX2</u> Red: Power Black: Ground Purple: Open for Slow Alternating +12VDC for Pseudo Random
--	---	--

MAGNET MOUNT VERSIONS

WARNING!!!! Care should be taken when positioning any warning light on the roof, dash, or instrument panel of the vehicle, so that the light and/or cord does not interfere with the proper operation of any airbags! Failure to heed this warning may result in serious or fatal injury.

1. **CAUTION:** Please be sure to check that your cigarette plug outlet is properly fused. **Testing the light before this fuse is properly installed will void the warranty on the light.**
2. 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. Because the composition of the metal in the roofs of different vehicles may vary, as well as the contour, texture and/or condition, the manufacturer 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.**
3. Once the light is secured, route your cord such that it does not interfere with the vision of the driver or the operation of any controls, including, but not limited to, the steering wheel, gear shifter, and/or any airbags (front and/or side).
4. This light has been factory tested and approved. If the light fails to work when the plug is inserted into the cigarette plug socket, twist the plug a few times to remove any ash or other deposits which might be preventing a good contact from being made. If the problem persists, remove the fuse from the circuit, check to see if it has blown, and clean the lighter socket and contact surfaces. Reconnect the fuse and test the light again.
5. The 9200LX1M-* and 9200LX2M-* magnet mount minibars have a momentary push button located under the dome that will change the pattern. There are 35 patterns available:

Pattern Select Button



9200LX1M and 9200LX2M Patterns

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. Slow Alternating Single 2. Fast Alternating Single (<i>Default</i>) 3. Slow Simultaneous Single 4. Fast Simultaneous Single 5. Quad Flash Burst w/ POP 6. Five Flash Burst w/ POP 7. Triple Alternating Fade 8. Triple Alternating Fast Fade 9. Double Alternating Fade 10. Super Slow Alternating 11. Super Slow Simultaneous 12. Triple Flash Simultaneous 13. Five Flash Simultaneous 14. Rapid Alternating Single 15. Triple Flash Alternating 16. Five Flash Alternating 17. Super Fast Single Simultaneous 18. Simultaneous Quad Flash Burst w/ Hold 19. Fast Simultaneous Quad Flash Burst w/ Hold 20. Alternating w/ Short Overlap | <ol style="list-style-type: none"> 21. Triple Alternating w/ Opposite Side Steady 22. Pulse 23. Random-Flicker Flash Combo 24. Random-Flicker w/ Triple Flash Alternating 25. Random-Single Alternating w/ Double Simultaneous 26. Random-Double Simultaneous w/ Single Alternating and Triple Alternating w/ Hold 27. Random-Double Simultaneous w/ Triple Alternating and Double Alternating w/ Hold 28. Random-Double Simultaneous w/ Flicker and Double Flash Alternating 29. Random-Fast/Slow Alternating Single 30. Random-Five Flash Alternating w/ Off Time 31. ½ Steady, ½ Singleflash 32. ½ Steady, ½ Singleflash (<i>opposite of #31</i>) 33. Slow Alternating 34. Slow Simultaneous 35. DEMO MODE (cycles through all patterns) 36. No Output |
|--|---|

Parts List

Outer Dome	920-3-*
Colored Filter for Rotators	920-100-*
Inner Dome for Strobe Head	333-*
Doubleflash Power Supply for 9200S Series	620-181-SBP
Quadflash Power Supply for 9200ZQ	181-ZQ-12
35-Pattern LED Flasher for Mag Mount LED Minibars	S8070-240-3
2-Pattern LED Flasher for Permanent Mount LED Minibars	S8070-163-10
Strobe Head for 9200S series	ST3901-7
Strobe Tube for 9200ZQ series	129-Z
12V Halogen Bulb (50-Watt)	2073-795X
12V Incandescent Bulb (35 Watt)	2073-1195
24V Halogen Bulb (50-Watt)	2073H50W24
Rotator (80FPM)	920-0
Rotator (160FPM)	920-0F
Plastic Wall Mirror for 9200H	920-30-3
"V" Mirror for 9200S	920-1S
Magnet (four required for mag mount)	920-16
Cord with Cig Plug	920-10

* = color

ONE YEAR LIMITED WARRANTY LED FIVE YEAR LIMITED WARRANTY

The manufacturer warrants each new product, under normal use, against factory defects in material and workmanship for **one year** after the date of purchase. The manufacturer warrants the **LED components** in this 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. If a copy of the receipt is not provided, the warranty period shall cover five years from the date of manufacture.

Exclusions from this warranty include, but are not limited to, bulbs, strobe tubes, 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. This warranty does not apply to defect or damage occurring as a result of disaster, accident, abuse, misuse, lightning, power surges, or failure to follow instructions in any enclosed manuals. Any damage or defects occurring as a result of any unauthorized service or repairs by unauthorized persons shall be excluded from this warranty.

There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend these 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 Materials 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