

# Owner's Manual & Safety Instructions

**Save This Manual** Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

REV 15g



ITEM 95811

55 WATT

## 6" OFF-ROAD LIGHT SYSTEM



Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

### **⚠ WARNING**


**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**

## Specifications

Electrical Rating	15A
Voltage	12 VDC
Bulb	H-3 / 55W Halogen (HT201)

## IMPORTANT SAFETY INFORMATION

### Installation Precautions

-  A 15 amp fuse must be installed inline on the positive power supply wire of this item. Using no fuse, or using an incorrect fuse can cause an electrical fire.
- Install only according to these instructions. Improper installation can create hazards.
- Wear ANSI-approved safety goggles and heavy-duty work gloves during installation.
- Make certain the vehicle's engine is turned off and battery is disconnected before installing the Light.
- When drilling holes, beware of any hidden electrical lines or cables. Make sure you don't damage or weaken the structural integrity of the vehicle.
- Vehicles equipped with airbags may have the sensors located inside the front bumper. Consult the vehicle owner's manual to determine the location of the airbag sensors. To avoid damaging the sensors if they are located in the front bumper, do not drill holes in the bumper.
- Do not install Light where it could restrict sufficient airflow to the radiator or obstruct the headlights and/or turn signals of vehicle.
- Keep installation area clean and well lit.
- Keep bystanders out of the area during installation.
- Do not install when tired or when under the influence of alcohol, drugs or medication.
- Read all instructions and safety precautions in the vehicle's manual onto which the Light will be installed.
- Install on negative ground 12 VDC systems only.
- This product requires complete installation. Do not install yourself unless you are technically competent to do so. If necessary, have a qualified technician install the Light.
- WARNING:** The brass components of this product contain lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)
- WARNING:** The cord of this product contains lead and/or di (2-ethylhexyl) phthalate (DEHP), chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)
- WARNING:** This product contains or, when used, produces a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)
- WARNING:** This product contains di (2-ethylhexyl) phthalate (DEHP), a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)

## Use Precautions

1. This product is not a toy. Do not allow children to play with this item.
2. The Light becomes very hot during continuous use. Do not touch the Light for at least half an hour after turning off.
3. Inspect before every use; do not use if parts are loose or damaged.
4. Use as intended only. Do not modify this product or use it for a purpose for which it was not intended.
5. Light for off road use exclusively. This product does not meet D.O.T. requirements for use on public roads or highways. Follow local, state, and federal regulations.
6. The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors that cannot be built into this product, but must be supplied by the operator.

## Installation Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this document including all text under subheadings therein before set up or use of this product.

**Note:** For additional information regarding the parts listed in the following pages, refer to *Parts List and Diagram* on page 6.

## Light Mounting

1. To avoid accidental short circuits, disconnect the negative (-) terminal of the vehicle battery prior to installation.
2. Installation requires a 1/2" hole through which to insert the wiring. If your vehicle has no hole of this size, then drilling a hole will be necessary.
3. The Off-Road Light can be either top or bottom mounted. Select a proper location to mount the Light and mark it. Make sure the desired mounting location does not obstruct the vehicle's headlights or turn signals.
4. If there is no hole for mounting the Light, you must drill one at the point you have selected. Drill a 1/2" diameter hole through the pre-marked mounting position.
7. Place one of the Rubber Mounting Pads (7) against the upper and lower sections of the Light mounting hole. Use the Washer and Nut (8) provided to secure the Light to the vehicle. The Rubber Mounting Pads attached to the base of the Light help to keep it from vibrating loose when driving on rough terrain. Refer to Figure A.

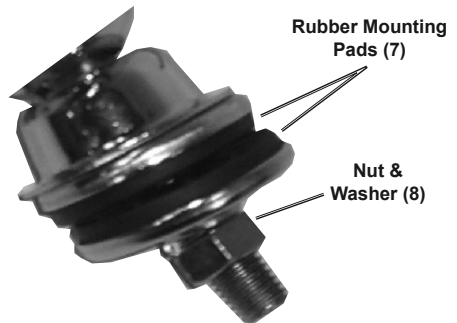



Figure A

- CAUTION:** Make sure no electrical wires or cables are in the way of the drilling path.
5. Attach Positive wire (not included) to the proper terminal near the base of the Off-Road Light before the Light is mounted to the vehicle. There is only one, it is easy to locate.
  6. Insert Positive wire (not included) and Black Ground Wire (6) through the hole next to where you wish to mount the Light.
  8. Mount a light switch (not included) in a location that is within easy reach (i.e., dashboard, console).

# Wiring Installation

1. The red Positive wire (not included) from the Light is the "HOT" wire. Use a pin connector or in-line splice connector (both not included) to connect the Light to the vehicle's electric wiring system. Refer to Figure B which illustrates a basic wiring set-up.
2. The red Positive wire (not included) runs from the Light to the 15A in-line fuse (not included), then to the switch (not included). From there it is wired to the electrical wiring running to the battery.
3.  A 15 amp fuse must be installed inline on the positive power supply wire of this item. Using no fuse, or using an incorrect fuse can cause an electrical fire.
4. Connect the Black ground wire from the Light to the chassis or any other grounded metal surface of the vehicle.
5. Attach the red Positive wire (not included) to a switched power wire (e.g. tail light or the low beam of the head light). Wrap the connection with water proof tape (not included).
6. Lay the connector for the switch (not included) of the wiring harness into the driver's compartment through the fire wall. Use a hole already made for the purpose of handling other wires.
7. Connect the wire to the switch. Do not leave extra wire hanging loose in either the driver's compartment or the engine.
8. Use plastic tie-strips (not included) to secure the wiring throughout the vehicle. Avoid hot areas and moving parts. Tape all connections using electrical tape (not included). Protect the wiring from sharp edges with tape or grommets.
9. Reconnect negative (-) terminal of the vehicle battery. Turn on the light switch to confirm the Light is operating properly.
10. Loosen the Light adjustment screws. With the system on, adjust the Light's angle until the proper angle is obtained. Retighten the screws.

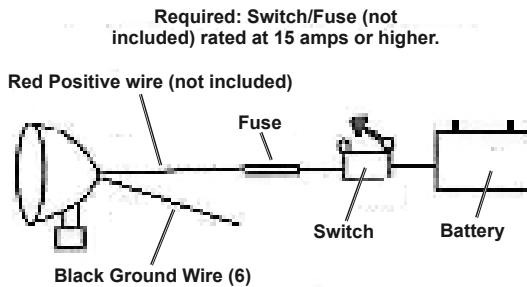


Figure B

## Maintenance

### **⚠WARNING**

**TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:**

**Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.**

## Inspection, Maintenance and Cleaning

- BEFORE EACH USE**, inspect the general condition of the Light. Check for:
  - loose hardware
  - misalignment or binding of moving parts
  - cracked or broken parts
  - damaged electrical wiring
  - any other condition that may affect its safe operation.
- AFTER USE**, wipe the Light off with a clean cloth.
- When it becomes necessary to replace the Halogen Bulb, do not touch the Bulb with your bare hands; oil from skin will drastically shorten the life span of the bulb if not cleaned with rubbing alcohol and allowed to dry before use. Handle the bulb with a soft, clean cloth or clean work gloves instead.

## Troubleshooting

<b>Problem</b>	<b>Possible Causes</b>	<b>Likely Solutions</b>
Light will not turn on.	<ol style="list-style-type: none"><li>1. Wiring broken, frayed or disconnected.</li><li>2. Bulb is burnt out.</li></ol>	<ol style="list-style-type: none"><li>1. Check wiring, switch, fuse, battery connection. If any wiring is found to be broken, frayed or damaged, replace it.</li><li>2. Replace the Halogen Bulb.</li></ol>
Light turns on but flickers off and on.	Rubber Mounting Pads have vibrated loose, causing Light connections to also work loose.	Check Rubber Mounting Pads and all electrical connections for tightness.



**Follow all safety precautions whenever diagnosing or servicing the tool.  
Disconnect power supply before service.**

**Parts List**

<b>Part</b>	<b>Description</b>	<b>Qty</b>
1	Clip	1
2	Light Assembly	1
3	Lens Assembly	1
4	Holding Rings	2
5	Holding Ring Screws	2

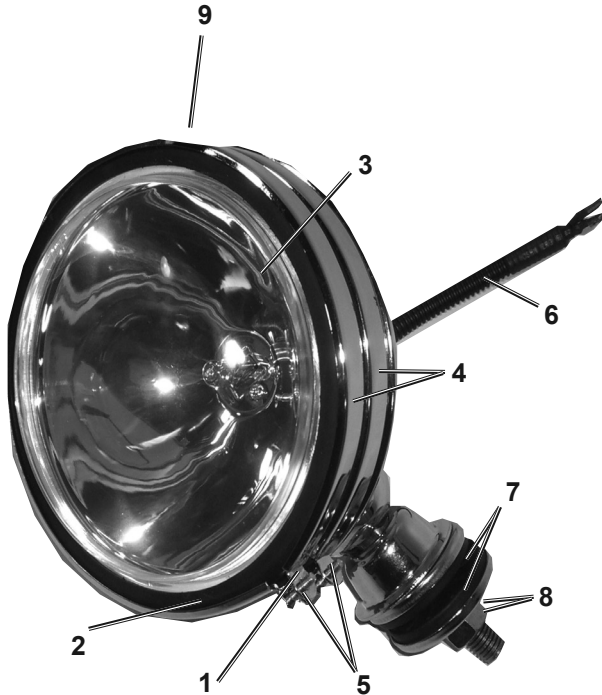
<b>Part</b>	<b>Description</b>	<b>Qty</b>
6	Black Ground Wire	1
7	Rubber Mounting Pads	2
8	Nut/Washer	1
9	Housing	1

**PLEASE READ THE FOLLOWING CAREFULLY**

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS DOCUMENT AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

# Diagram

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**Record Serial Number Here:**

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**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.

## Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

