



# ALL PURPOSE SOLAR LANTERN

**Model 94740**

## ASSEMBLY AND OPERATION INSTRUCTIONS



Due to continuing improvements, actual product may differ slightly from the product described herein.



3491 Mission Oaks Blvd., Camarillo, CA 93011

Visit our website at: <http://www.harborfreight.com>

**TO PREVENT SERIOUS INJURY, READ AND UNDERSTAND  
ALL WARNINGS AND INSTRUCTIONS BEFORE USE.**

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**For technical questions or replacement parts, please call 1-800-444-3353.**

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## SPECIFICATIONS

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Materials	Thermoplastic Housing & Polystyrene; Color Black
Overall Dimensions	9-1/4"H x 6-1/2" Dia., Base Size 3.5"H X 5.2" Dia.
LED's	LED Illumination: White, with 1200 MCD's per LED. Qty. 12, 100,000 Hour Lifetime
Solar Charge	8 Hours
Battery Requirements	NiCd Rechargeable AA Batteries X 3
AC/DC Adapter Input	120 V~, 60 Hz, 9 W
Adapter Output	DC 9V, 250 mA
Cord Length	40" Long
Net Weight	1.6 Lb.

### Save This Manual

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Write the product's serial number in the back of the manual near the assembly diagram, or write month and year of purchase if product has no number. Keep this manual and invoice in a safe and dry place for future reference.

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## GENERAL SAFETY RULES

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**READ AND UNDERSTAND ALL INSTRUCTIONS**  
**Failure to follow all instructions listed below may result in**  
**electric shock, fire, and/or serious injury.**  
**SAVE THESE INSTRUCTIONS**

1. **Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Electrical products create sparks which may ignite the dust or fumes.
2. **Double insulated products are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation  eliminates the need for the three wire grounded power cord and grounded power supply system.
3. **Do not expose adapters to rain or wet conditions.** Water entering an adapter will increase the risk of electric shock.

4. **Do not abuse the Power Cord. Never use the Power Cord to carry the adapter or pull the Plug from an outlet. Keep the Power Cord away from heat, oil, sharp edges, or moving parts. Replace damaged Power Cords immediately.** Damaged Power Cords increase the risk of electric shock.
5. **Always wear eye protection.** Always wear ANSI-approved safety goggles when performing maintenance on this product.
6. **Do not use the product for a purpose for which it is not intended.**
7. **Do not use the product if the Power Switch does not turn it on or off.** Any product that cannot be controlled with the Power Switch is dangerous and must be replaced.
8. **Disconnect the Power Cord Plug from the power source before making any adjustments, changing accessories, or storing the product.** Such preventive safety measures reduce the risk of starting the product accidentally. **Always unplug the product from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.**
9. **Store lantern out of reach of small children.**
10. **Check for breakage of parts and any other condition that may affect the product's operation. If damaged, have the product serviced before using.** Many accidents are caused by poorly maintained products.
11. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one product may become hazardous when used on another product.
12. **Product service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
13. **When servicing a product, use only identical replacement parts. Follow instructions in the "Inspection, Maintenance, And Cleaning" section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.
14. **Maintain labels and nameplates on the product.** These carry important information. If unreadable or missing, contact Harbor Freight Products for a replacement.
15. **Never leave the product unattended when its adapter is plugged into an electrical outlet.** Turn off the product, and unplug the adapter from its electrical outlet before leaving.
16. **Use only rechargeable batteries when replacing the batteries.** Do not substitute with any other size or type of battery.
17. **Never mix new and old batteries or batteries of different types together.** Mixing batteries may result in fire, leakage, or explosion.

18. **NiCd batteries must be disposed of or recycled properly.** Do not incinerate. Batteries may burst, causing personal injury and/or property damage. Contact your local hazardous waste disposal authority for disposal or recycling.

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## UNPACKING

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When unpacking, check to make sure that the product is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

**Note:** The AC Adapter is located inside of the Bottom Cover. See instructions for removing the AC Adapter on page 6.

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## OPERATING INSTRUCTIONS

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**Note:** For additional information regarding the parts listed in the following pages, refer to the **Assembly Diagram at the end of the manual.**

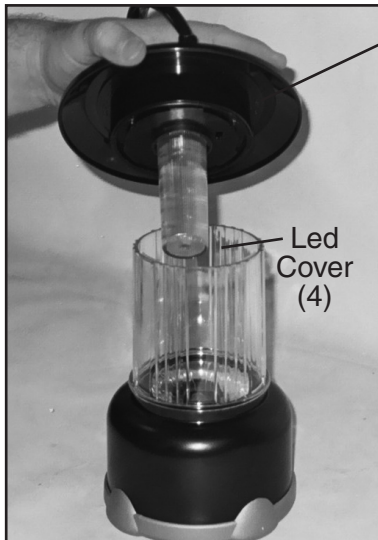
1. Turn the switch to the “OFF” position – the unit will charge much faster if it is switched off while charging. Charge the batteries by using the wall adapter, car adapter, or sitting the Solar Lantern in the sunlight for an extended period. **If using the automobile outlet, be aware that it will use up power and can drain the car battery.**
2. Once the lantern is charged, turn the switch to the “ON” position to illuminate the lantern. Turn the switch to off to conserve power when done.
3. If the Solar Lantern stops working or is not holding a charge, replace the batteries - see next page.

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## BATTERY REPLACEMENT

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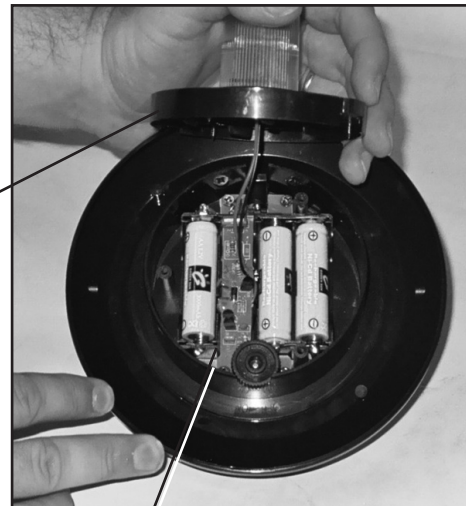
1. Turn the Solar Housing Lid (7) slightly counterclockwise. Remove the Solar Housing Lid (7) from the top of the Solar Lantern. *See Figure 1.*
2. Remove the three Screws from the Battery Cover (6). *See Figure 2.*



*Figure 1*

Solar Housing (7)

Led  
Cover  
(4)



Battery  
Cover (6)

*Figure 2*

Batteries (9)

3. With the Solar Housing Lid (7) off, gently twist off the Battery Cover (9) with the LED Strip of 12 Bulbs (5) and LED Cover (4) assembly. Move the Battery Cover aside, being careful not to disturb the wires and the internal components. *See Figure 2.*
4. Removed the dead batteries and dispose of them or recycle them properly according to the Solid Waste Disposal regulations. Replace with new Rechargeable Batteries. The polarity of the batteries is marked. Be careful of the internal components and do not disturb the wires. *See Figure 2.*
5. Once the batteries are in place, return the Solar Housing Lid (7) and twist clockwise onto the Light Cover (3). Tighten.

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## ADAPTER STORAGE COMPARTMENT

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1. Remove the Protective Cover (16) from the bottom of the Solar Lantern by pulling down. Set the Cover aside. *See Figures 3 & 4.*

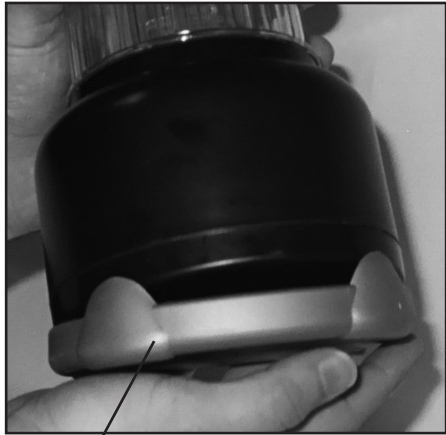


Figure 3  
Protective  
Cover (16)

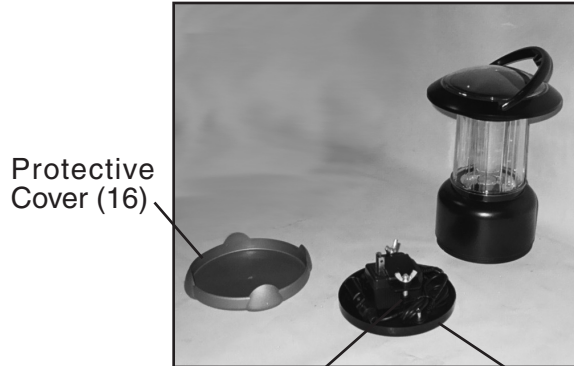



Figure 4  
AC Adapter  
Bracket (13)  
Wing Nuts (14)  
Bottom Cover (1)  
AC Adapter (15)

2. Unscrew the Bottom Cover (1) from the base of the Lantern.
3. Inside of the Bottom Cover (1) is the AC Adapter (15) held in place by the AC Adapter Bracket (13). Remove the Wing Nuts (14). Set the AC Adapter Bracket and Wing Nuts aside. Remove the AC Adapter. Use this Adapter in a household electric outlet for charging the Solar Lantern. *See Figure 4.*
4. After charging, fold up the wiring of the AC Adapter (15) and store in the Bottom Cover (1), using the AC Adapter Bracket (13) to hold it in place. With the AC Adapter Bracket in place, tighten the Wing Nuts. Thread the assembly back on the bottom of the Lantern. Replace the Protective Cover (16). *See Figure 4.*

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## INSPECTION, MAINTENANCE, AND CLEANING

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1.  **WARNING!** Make sure the Power Switch (17) of the Solar Lantern is in its "OFF" position and that the Adapter is unplugged from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.
2. **BEFORE EACH USE**, inspect the general condition of the Lantern. Check for loose screws, cracked or broken parts, damaged electrical wiring, and any other condition that may affect its safe operation. **Do not use damaged equipment.**
3. Clean the outside of the Lantern with a clean damp cloth. Never use abrasive cleaners; they will damage the unit. You may use a mild detergent. Never submerge the Lantern in water or any other liquid. Dust covering the Plastic Light Cover will block out sunlight causing a decrease or stoppage of efficiency in recharging the batteries.

## PARTS LIST

Part	Description	Q'ty
1	Bottom Cover	1
2	Base	1
3	Lens Cover	1
4	LED Cover	1
5	LED Strip (12 LED's)	1
6	Battery Cover	1
7	Solar Housing	1
8	Handle	1
9	AA NiCd Battery	3

Part	Description	Q'ty
10	Screw	3
11	Fuse* (F3AL250V) *within Car Adapter (12)	1
12	Car Adapter	1
13	AC Adapter Bracket	1
14	Wing Nut	2
15	AC 120V Adapter	1
16	Protective Cover	1
17	ON/OFF Switch	1

### PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL 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.



### 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 ninety 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, 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.

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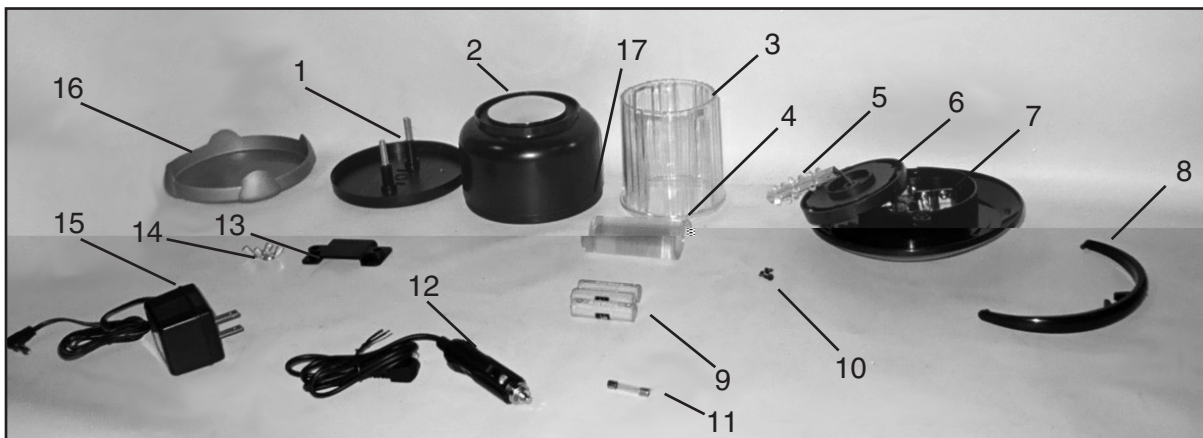
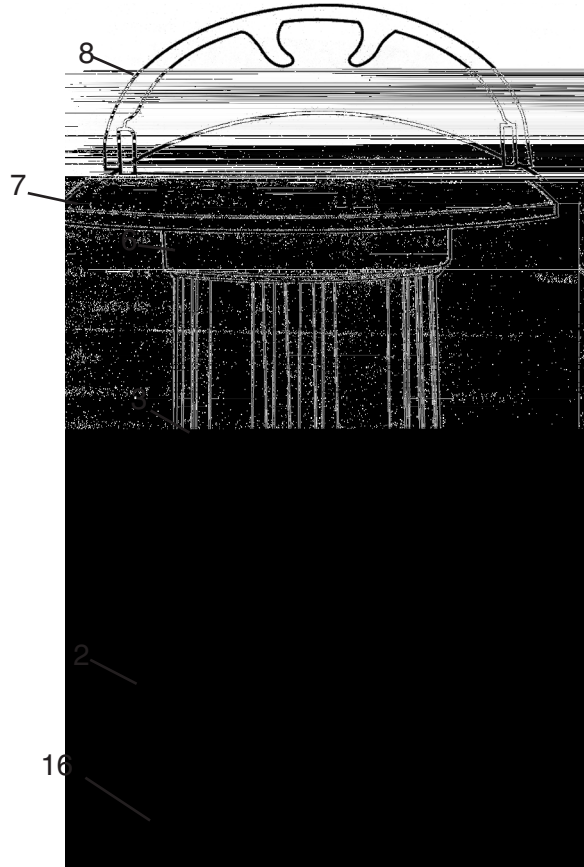
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## ASSEMBLY DIAGRAM

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