

**ONE YEAR LIMITED WARRANTY PROGRAM**

This limited warranty program is the only one that applies to this product, and it sets forth all the responsibilities of Vector Products, Inc., regarding this product. There is no other warranty, other than those described herein. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of this warranty.

This Vector Products, Inc. product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for one year from the date of purchase without additional charge. The warranty does not extend to subsequent purchasers or users. Manufacturer will not be responsible for any amount of damage in excess of the retail purchase price of the product under any circumstances. Incidental and consequential damages are specifically excluded from coverage under this warranty.

This product is not intended for commercial use. This warranty does not apply to damage to units from misuse or incorrect installation/connection. Misuse includes wiring or connecting to improper polarity power sources.

**RETURN/REPAIR POLICY:** Defective products may be returned to manufacturer. Any defective product that is returned to manufacturer within 30 days of the date of purchase will be replaced free of charge. If such a product is returned more than 30 days but less than one year from the purchase date, manufacturer will repair the unit or, at its option, replace it, free of charge.

If the unit is repaired, new or reconditioned replacement parts may be used, at manufacturer's option. A unit may be replaced with a new or reconditioned unit of the same or comparable design. The repaired or replaced unit will then be warranted under the terms of the remainder of the warranty period. The customer is responsible for the shipping charges on all returned items. During the warranty period, manufacturer will be responsible for the return shipping charges to the customer in the United States.

**LIMITATIONS:** This warranty does not cover accessories, such as charging adapters, bulbs, fuses and batteries, damage or defects resulting from normal wear and tear (including chips, scratches, abrasions, discoloration or fading due to usage or exposure to sunlight), accidents, damage during shipping to our service facility, alterations, unauthorized use or repair, neglect, misuse, abuse, failure to follow instructions for care and maintenance, fire, flood and Acts of God.

If your problem is not covered by this warranty, call our Technical Support Department toll free at (800) 544-6986 for general repair information and charges if applicable.

**STATE LAW RIGHTS:** This warranty gives you specific legal rights. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the exclusions or limitations stated herein may not apply. This warranty gives the purchaser specific legal rights; other rights, which vary from state to state, may apply.

**TO REQUEST WARRANTY SERVICE FOR THIS PRODUCT:** Contact Technical Support by telephone, fax or mail (see below). We suggest that you keep the original packaging in case you need to ship the unit. When returning a product, include your name, address, phone number, dated sales receipt (or copy) and a description of the reason for return and product serial number. After repairing or replacing the unit, we will make every effort to return it to you within four weeks.

**WARRANTY ACTIVATION:** Please complete Warranty Activation Card and mail to Vector Products, Inc.. Enter "VEC192" as Model and "Twin Beam Rechargeable SportSpot® 20,000,000 Power Series™" as Product Type. All Vector products must be registered within 30 days of purchase to activate this warranty. Mail the completed registration form, along with a copy of the original sales receipt, to:

BLACK & DECKER  
4409 W. Wanda, McAllen, TX 78503  
• TOLL FREE: (800) 544-6986 • FAX: (956) 630-0492 •

WARRANTY IS NON-TRANSFERABLE.

RD121306

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MADE IN CHINA

**VECTOR**<sup>®</sup>  
The Freedom of **POWER**

**Twin Beam Rechargeable  
SportSpot<sup>®</sup>  
20,000,000 Power Series™**



**USER'S MANUAL  
& WARRANTY INFORMATION**

**IMPORTANT SAFETY INFORMATION, SAVE THESE INSTRUCTIONS**

TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND THIS INSTRUCTIONAL MANUAL. THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING THE OPERATION AND WARRANTY OF THIS PRODUCT. PLEASE RETAIN FOR FUTURE REFERENCE.

4140 S.W. 30th Ave., Ft. Lauderdale, FL 33312  
Toll Free: (800) 544-6986

# **IMPORTANT SAFETY INSTRUCTIONS**

## **CAUTIONS**

1. All halogen lights give off heat. Never place the light face-down on any surface when lit.
2. Never look directly into the spotlight or shine the spotlight into another person's eyes.
3. Replace bulb or battery with type indicated in Specifications in the User's Manual.
4. Do not immerse this spotlight in water. This unit is not waterproof.
5. Lens gets very hot – do not touch lens while spotlight is operating.
6. Keep sharp objects away from lens – it is glass and can break.
7. Do not drop or throw spotlight.
8. Do not substitute power cords or charging adapters. Only charge with supplied AC and DC charging adapters.
9. Do not crush, cut, pull or expose charging adapter cords to extreme heat or sharp edges.
10. Position charging adapter cords so they do not become entangled or become a safety hazard.
11. Always charge in a dry location.
12. Plug in the charging adapter at the spotlight first, then plug into the charging source.
13. **DO NOT OVERCHARGE:**
  - AC recharge up to 30-35 hours maximum.
  - DC recharge up to 5-6 hours maximum.
14. After recharge, disconnect charging adapter and wait 5 minutes before use.
15. Keep children away from spotlight. This is not a toy!

## **WARNINGS**

- **Contains non-spillable, sealed lead acid battery. It must be recycled or disposed of properly.**
- **DO NOT dispose of battery in fire, as this may result in an explosion.**
- **DO NOT open battery or short circuit, this may cause the battery to leak or get hot causing personal injury. Any disposal questions call toll-free (877) 288-7722.**

**Read This User's Manual Before Using This Unit.**

**SAVE THESE INSTRUCTIONS**

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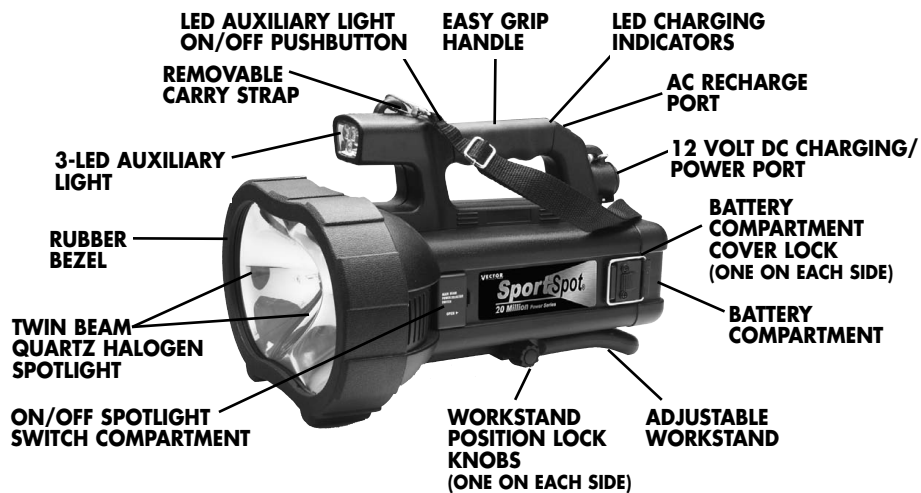
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## INTRODUCTION

Congratulations on purchasing the **Twin Beam Rechargeable SportSpot® 20,000,000 Power Series™**, an advanced design, dual bulb Spotlight and long lasting, 3-LED Auxiliary Light. It uses a powerful, proven-technology, rechargeable, non-spillable, sealed, lead acid battery for years of dependable use. It was designed to be the most versatile and practical light for travel, camping, picnicking, tailgate parties and boating. Extremely rugged construction protects the unit from most vibration and shock damage.

## FEATURES

- Two powerful, prefocused, replaceable quartz halogen bulbs
- Single and dual beam Spotlight switches
- Long-life, ultra bright 3-LED Auxiliary Light
- 12 Volt DC Accessory Outlet
- Replaceable, sealed lead acid battery
- 120 Volt AC Recharge Adapter and power cord
- Fused 12 Volt DC Recharge Adapter
- LED Charging Indicators
- Removable carry strap
- Protective rubber safety guard (bezel) around lens
- Hands-free adjustable workstand with position locks



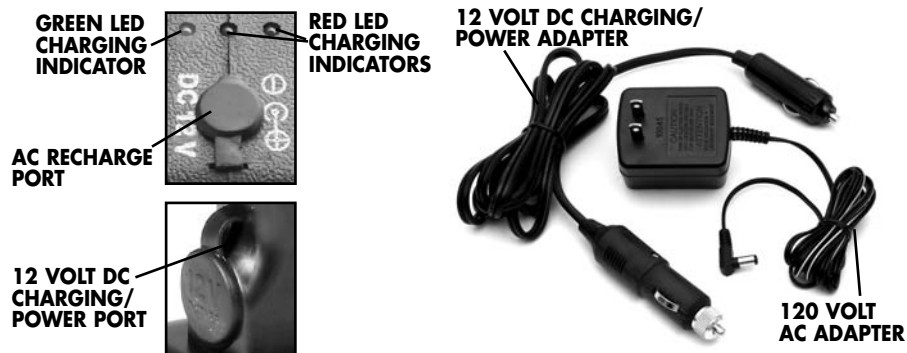
## CHARGING THE BATTERY

The unit is delivered in a partially charged state. It must be fully charged prior to first use by either the 120 volt AC method (preferred) or the 12 volt DC method.

After initial charging, the **VEC192** can be simultaneously recharged (using the 12 Volt DC method only) and operated. When recharging and operating the Spotlight at the same time, single beam operation is recommended.

When using the 12 volt DC recharging method, make sure the power source can supply minimum 15 amperes of current if the Spotlight is to be operated while the battery is being charged.

After charging, disconnect the Adapter from the external power source, then disconnect the Adapter from the AC Recharge Port or 12 Volt DC Charging/Power Port.



## Checking Battery Charge Status

Plugging in either the 120 Volt AC Adapter turns on the LED Charging Indicators. Two red LEDs indicate a moderate level of charge; and one red LED indicates that the unit should be charged soon. The green LED lights to show a fully charged unit.

It is recommended that you charge the Spotlight after each use (or every 2 months when not in frequent use) until the green LED lights so the unit is always ready when you need it.

## 120 Volt AC Charging/Recharging

Plug the supplied 120 Volt AC Adapter's plug into a standard North American outlet. Connect the Adapter's DC barrel connector to the AC Recharge Port located on the top/rear of the grip handle. Time required to initially charge the unit using this method is approximately 30 to 35 hours. The green Charging LED Indicator will light when the unit is fully charged. **The AC charging/recharging method will not work while the Spotlight is in use.**



## 12 Volt DC Charging/Recharging

The DC recharging method will NOT recharge the unit as effectively as the 120 volt AC method. This method is recommended only when it is necessary, since frequent use of the 12 volt DC recharging procedure may shorten the battery system's life.

1. Insert the gold-tipped end plug of the 12 Volt DC Charging/Power Adapter plug into the vehicle's 12 volt DC accessory outlet.
2. Insert the silver-tipped end plug into the 12 Volt DC Charging/Power Port on the back of the handle of the unit.
3. Charging time using this method is approximately 5 to 6 hours.
4. When charging is complete, remove the power cord immediately and return it to the storage compartment.



**The Spotlight CAN be used while recharging using the 12 Volt DC method. If doing so, single beam operation is recommended.**

**Notes:** When using a vehicle's 12 volt DC accessory outlet as a charging/power source, be aware that some vehicles require the ignition be turned on to power the accessory outlet.

## CAUTION

**Before connecting either Adapter to the VEC192 to charge or recharge the unit's battery, make sure all power switches are in the OFF position.**

## **OPERATING INSTRUCTIONS**

### **Using the Spotlight**

The twin beam, quartz halogen Spotlight is operated by the two switches located in the compartment on the side of the unit (see the illustration on page 2). The top ON/OFF Switch controls the left beam; the bottom ON/OFF Switch controls the right beam.



### **Using the 3-LED Auxiliary Light**

The 3-LED Auxiliary Light is operated by the LED Auxiliary Light ON/OFF Pushbutton located on the top of the grip handle.



### **Using the 12 Volt DC Accessory Outlet**

The 12 volt DC accessory outlet powers any DC appliance that does not exceed 5 amps. Flip up the accessory outlet cover and insert the appliance's DC plug. Close the cover after use.



### **Using the Adjustable Workstand**

Set the hands-free adjustable workstand to the desired position; then turn the knobs on either side of the unit to lock in position.



## **CARE AND MAINTENANCE**

All batteries lose charge with time, especially when they are warm. Recharge the unit every two months when not in frequent use, preferably using the 120 volt AC method.

Never submerge the unit in water. If the unit gets dirty, gently clean the outer surfaces of the spotlight unit with a soft cloth moistened with a mild solution of water and detergent. Periodically inspect the condition of adapters, connectors and wires. Contact Technical Support toll-free at (800) 544-6986 to replace any components that have become worn or broken.

### **Replacement Parts**

The quartz halogen bulb and sealed lead acid battery are available through Vector Products, Inc.. A comparable (12 volt H7 100 watt) bulb may be substituted. These can also be purchased from popular automotive parts suppliers nationwide. Contact Technical Support Department for replacement parts (including replacement adapters and cords) and any additional information that you may need. They may be reached toll free at (800) 544-6986.

### **WARNING**

**To reduce the risk of shocks or burns and avoid damage to the unit, make sure all power switches are in the OFF position, all adapters are unplugged and the unit has been allowed to cool down before performing any maintenance/parts replacement.**

### **Bulb Replacement**

To replace either or both H7 type 12 volt 100 watt bulbs, you will need a small Phillips type screwdriver and a replacement bulb (or bulbs). During installation, avoid touching the glass part of the bulb. Bulb life may be shortened by installing a bulb with dirt or fingerprints on it. The bulb can be wiped clean with a cloth moistened with alcohol.

1. Disconnect the unit from any charging adapters.
2. Push the rubber bezel forward toward the front of the spotlight to reveal eight small Phillips screws in the retaining ring.
3. Using the screwdriver, remove (counterclockwise) the screws. Set them aside.
4. Lift off the retaining ring, glass lens and rubber "O" ring and set them aside.
5. Carefully remove the reflector and bulb assembly.
6. Disconnect the wires from the defective bulb.
7. Unsnap the hairpin retaining wires from the reflector's flange.
8. Lift out the bulb.
9. Insert the replacement bulb into the reflector's flange.
10. Put back and secure the hairpin retaining wires.
11. Connect the wires to the bulb.
12. Place the reflector in position in the body of the spotlight.
13. Replace the rubber "O" ring in the groove around the perimeter of the reflector.
14. Replace glass and retaining ring so the screw holes are aligned.
15. Secure retaining ring with the eight screws.
16. Replace rubber bezel.
17. Operate switch to ensure proper operation of Spotlight.

## WARNING

To reduce the risk of electric shock, replace bulbs with 12 volt H7 100 watt only.

### Battery Replacement

1. Release the battery compartment cover locks on either side of the unit and remove the cover.
2. Pull out the battery.
3. Disconnect the terminals and replace the battery with the same type listed in the Specifications section of this manual.
4. Replace the battery compartment cover and engage the locks.
5. Turn one of the Spotlight's ON/OFF switches to the ON position to ensure proper operation of Spotlight.

### Battery Disposal

Non-spillable sealed lead-acid battery — This battery is fully recyclable and should be accepted at any location that accepts common automotive starter batteries. Examples of places that accept these batteries are: county or municipal recycling drop-off centers, scrap metal dealers, and retailers who sell automotive replacement lead acid starter batteries. For more information on recycling this recycling this battery, call toll-free (877) 288-7722.



## ⚠ WARNING

**Before disposing of the battery, protect exposed terminals with heavy-duty tape to prevent shorting. (Shorting can result in injury or fire.)**

**Do not expose battery to fire or intense heat as it may explode.**

### DC Plug Fuse Replacement

The fuse in the DC plug protects the charging circuit of the DC recharge adapter. If the AC recharger operates but the DC charging adapter does not, then the fuse may be opened.

To replace the fuse:

1. Unscrew the end cap of the DC plug (counterclockwise).
2. Remove spring center contact and fuse.
3. Check fuse with a continuity checker.
4. If blown, locate replacement fuse with same type and rating.
5. Replace the fuse, spring, contact and end cap.
6. Screw end cap clockwise until it is finger tight – DO NOT OVER-TIGHTEN.
7. Check for proper operation of DC charging adapter.

## TROUBLESHOOTING

1. The 120 volt AC charging/recharging method will not work while the Spotlight is in use.
2. If the unit does not operate, the battery may be completely discharged. Charge the unit using the AC adapter following the directions in the manual.
3. If you suspect a bulb is blown, check the bulb filament. If filament is coiled and unbroken, the bulb is not blown. If filament is blown, replace bulb.
4. If you suspect the main fuse is blown, check it and, if necessary, replace with a new 20 amp spade fuse.

## SPECIFICATIONS

Spotlight Bulbs:	Two 12 volt, H7 series, 100 watt bulbs
Battery:	Maintenance-free, sealed lead acid, 12 volt, 7.0 Ah
AC Adapter:	500mA, 12 volt
Operating Voltage:	12 volts DC

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