

TWO 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 Manufacturing, 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 Manufacturing product is warranted, to the original purchaser only, to be free of defects in materials and workmanship for two years 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 two years 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) 618-5178 for general repair information and charges if applicable. You may also contact us through our website at www.vectormfg.com.

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 Manufacturing. Enter "VEC117BD" as Model and "VectorLite® Power Series™ 1 Million Spotlight" 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:

ATTN.: CUSTOMER SERVICE
4140 SW 30th Ave., Ft. Lauderdale, FL 33312
• TOLL FREE: (800) 618-5178 • FAX: (954) 584-5556 •

WARRANTY IS NON-TRANSFERABLE.

BD122905

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MADE IN CHINA



**VectorLite® Power Series™
1 Million Spotlight**
Cordless, Rechargeable with Built-In Work Light



**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) 618-5178

www.vectormfg.com

IMPORTANT SAFETY INSTRUCTIONS

GENERAL WARNINGS

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY TO PERSONS:

1. Turn the Spotlight OFF, disconnect all charging adapters and allow the unit to cool before replacing the lamp bulb.
2. THIS LAMP GETS HOT QUICKLY. Only contact switch when turning ON. Do not touch the lens, guard or enclosure when the unit is ON.
3. Never place the Spotlight face-down on any surface when lit and keep the Spotlight away from materials that may burn.
4. Never look directly into the light or shine the light into another person's eyes.
5. Keep protective guard in place when operating this Spotlight.
6. DO NOT operate or attempt to charge this Spotlight with a missing or damaged safety guard (bezel) or lens.
7. Use only a 6 volt H3 55 watt replacement bulb. See the "Parts Replacement" section on page 4.
8. Do not immerse this spotlight in water. This unit is NOT WATERPROOF — it is water resistant. Use in a dry location only.
9. Do not substitute power cords or charging adapters. Only charge with supplied AC and DC Charging Adapters. Consult the manufacturer for replacement.
10. Keep sharp objects away from lens — it is glass and can break.
11. Do not drop or throw Spotlight. It contains glass and a sealed lead acid battery.
12. Do not crush, cut, pull or expose Charging Adapter cords to extreme heat.
13. Position Charging Adapter cords so that they do not become entangled or become a safety hazard. Keep Charging Adapter cords away from sharp edges.
14. Do not operate while recharging.
15. Keep children away from spotlight. This is not a toy!

BATTERY WARNINGS

- Contains non-spillable sealed lead acid battery. Must be recycled or disposed of properly. See the "Battery Disposal" section on page 5.
- DO NOT dispose of batteries in fire, as this may result in an explosion.
- DO NOT open battery or short circuit, as this may cause the battery to leak or get hot causing personal injury. Any disposal questions call toll-free (877) 288-7722.

CAUTIONS

- When changing the bulb, use a soft cloth and do not touch the bulb at any time. Oil from skin may damage the bulb.
- Use only with AC or DC Charging Adapters that are provided with this unit. Contact manufacturer for replacement.
- Except for the halogen bulb, this unit contains no user-replaceable parts. Attempts to service this unit other than bulb replacement will void any warranty.
- Plug the Charging Adapter into the Spotlight first, then plug into the charging source.
- DO NOT OVERCHARGE:
 - First time charge (AC): 15 hours
 - AC recharge: 12-15 hours
 - DC recharge: 3-4 hours

Please read this User's Manual completely before use.

SAVE THESE INSTRUCTIONS

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INTRODUCTION

Thank you for purchasing the **Black & Decker® VectorLite® Power Series™ Spotlight with Built-In Work Light**. Please read this manual carefully before use to ensure optimum performance and to avoid damage to the unit.

FEATURES

- Powerful, focused, replaceable quartz halogen bulb in Spotlight
- Work Light (with separate ON/OFF Pushbutton) provides up to 7 hours of continuous operation
- 3-position Trigger Switch offers brightness control to conserve power and extend runtimes
- Trigger Switch Lock maintains the Trigger Switch in the OFF position or ON position (allowing Spotlight operation without continually depressing the Trigger Switch)
- Rubber safety guard (bezel) around lens protects Spotlight
- Comfortable Pistol Grip Handle
- Convenient Carry Lanyard
- Battery Status LED Indicators display battery charge level while charging or whenever the Work Light is turned ON
- UL listed 120 Volt AC Charging Adapter
- Fused 12 Volt DC Charging Adapter
- Rechargeable, sealed lead-acid battery (non-spillable)

Note: *This unit is shipped in a partially charged state. Charge unit BEFORE first use using the AC Charging Adapter for 15 hours or until the green Battery Charge Level Indicator LED lights. Charge after each use until green LED lights (see "Recharging the Spotlight," page 3).*

Controls and Functions



OPERATING INSTRUCTIONS

Spotlight Operation

The Spotlight has a digital electronic dimmer control with three levels of brightness. Depressing the Trigger Switch advances the brightness of the Spotlight from Dim to Bright to Brightest.

Depress the Trigger Switch once to turn the Spotlight ON in the Dim setting. Depress the Trigger Switch at one-second intervals to allow the internal circuits to set to the next level.

Note: Lower brightness operation extends Spotlight runtime.

The Spotlight may be locked in the ON position to provide continuous light at any level without continuously depressing the Trigger Switch. Simply select the brightness setting, then slide the Trigger Switch Lock to the LOCKED position. To turn the Spotlight OFF, slide the Trigger Switch Lock to the UNLOCKED position.

The Spotlight's circuitry will automatically dim the light when the battery's power is reducing. This preserves the runtime of the Spotlight. The circuit also prevents deep discharge of the battery even if the Spotlight shuts down from battery discharge. Recharge as soon as possible, as allowing a discharged battery to remain so will reduce the battery life.

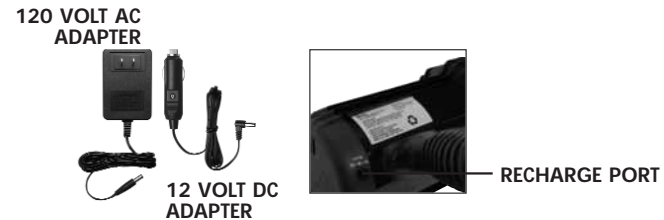
To lock the trigger into the ON position pull the Trigger Switch and move the Trigger Switch Lock down. This will lock the trigger into the ON position. To shut it off, simply move the Trigger Switch lock up to the OFF position.

Work Light Operation

ON/OFF operation of the Work Light is controlled by the Work Light Pushbutton. This long-lasting light can continuously operate up to seven hours on a full battery charge.

This pushbutton also enables the Battery Status Display, a series of three LEDs. The red LED indicates a discharged battery, the green LED indicates a fully charged battery and the amber LED indicates a partially discharged battery.

RECHARGING THE SPOTLIGHT



Charging From a 120 Volt AC Source

- Make sure the Spotlight is OFF and the Trigger Switch is in the OFF position (not depressed).
- Connect the 120 Volt AC Adapter's barrel tip to the Recharge Port on the bottom of the unit behind the handle.
- Connect the plug end into a standard North American 120 volt AC outlet. When a proper connection has been made, the Battery Charge Level Indicator LEDs will light to indicate the unit is charging.
- Charge for 12-15 hours or until the green Battery Charge Level Indicator LED lights.

Charging From a 12 Volt DC Source

Make sure the DC source (jump-starter, battery pack, vehicle accessory outlet, etc.) is 12 volt DC and is able to supply at least one-half amp at 12 volt DC for 10 hours. This means a battery pack should be charged with at least 5 amp hours capacity.

- Make sure the Spotlight is OFF and the Trigger Switch is in the OFF position (not depressed).
- Plug the 12 Volt DC Recharge/Power Adapter's barrel tip into the Recharge Port on the bottom of the unit behind the handle.
- Insert the fused 12 volt DC plug end into the accessory outlet of your vehicle or other 12 volt DC power source. When a proper connection has been made, the Battery Charge Level Indicator LEDs will light to indicate the unit is charging.
- Charge for approximately 3-4 hours, or until the green Battery Charge Level Indicator LED lights.

Note: Some vehicles require that the ignition be switched to the accessory position in order to power the accessory outlet.

Do not charge for more than 4 hours using this method.

PERIODIC MAINTENANCE

All batteries lose charge with time, especially when they are warm. Recharging using the 120 volt AC method is recommended every two months, when not in frequent use. 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. NEVER submerge this unit in liquids of any kind.

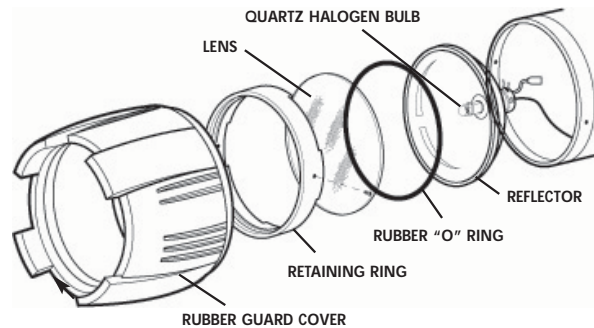
Periodically inspect the condition of the recharge adapters, connectors and wires. Replace any components that may have become worn or broken.

PARTS REPLACEMENT

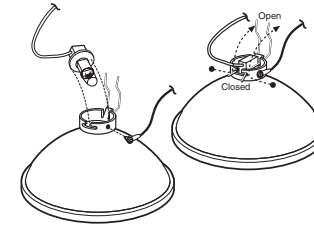
One part is user replaceable. The quartz halogen bulb is proprietary and is available through Vector; however a substitute 6 volt H3 55 watt bulb may be used when replacing this bulb. These can be purchased from popular automotive parts suppliers nationwide. For replacement parts and any additional information you may need, contact Technical Support at (800) 618-5178.

Spotlight Bulb Replacement

To replace the H3 type 6 volt bulb you will need a small Phillips screwdriver and a replacement bulb (Vector Part VEC193). 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. During bulb installation, avoid touching the glass part of the bulb.



1. Disconnect the unit from any charging adapters.
2. Push the rubber bezel forward toward the front of the spotlight to reveal two small Phillips screws in the retaining ring.
3. Using the screwdriver, remove (counterclockwise) the two 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 bulb wire from the red power wire.
7. Unsnap the hairpin retaining wires from the reflector's flange.
8. Using the screwdriver, loosen the retaining screw to remove the bulb from the reflector (no need to completely remove this screw).
9. Lift out the bulb and detach wire.



10. Insert the replacement bulb into the reflector's flange.
11. Put back and secure the hairpin retaining wires.
12. Connect the bulb power wire to the red power wire.
13. Tighten the retaining screw on the flange.
14. Place the reflector in position in the body of the spotlight.
15. Replace the rubber "O" ring in the groove around the perimeter of the reflector.
16. Replace glass and retaining ring so the screw holes are aligned.
17. Secure retaining ring with two screws.
18. Replace the rubber bezel.
19. Depress the Trigger Switch to ensure proper operation of spotlight.

⚠ CAUTION

To reduce the risk of electric shock replace bulb with a 55 watt 6 volt H3 bulb only.

Battery Replacement/Disposal

Battery Replacement

Battery should last the service life of the unit and is not user-replaceable. Contact Technical Support at (800) 618-5178 for any information you may need.

Safe Battery Disposal

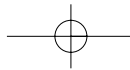
Contains a maintenance-free, sealed, non-spillable, lead-acid battery, which must be disposed of properly. Recycling is required — contact your local authority for information. Failure to comply with local, state and federal regulations can result in fines or imprisonment. For more information on recycling this battery, call toll-free (877) 288-7722.



⚠ WARNINGS

Do not dispose of the battery in fire, as this may result in an explosion. Before disposing of the battery, protect exposed terminals with heavy-duty electrical 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 (blown).

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 charger adapter.

TROUBLESHOOTING

No red charge light

If the red LED does not turn on when charging, do the following:

- A) Check for bad connection to the Spotlight Recharge Port
- B) Check for bad connection to the AC or DC adapter
- C) Confirm that the adapter is connected to a functioning 120 volt AC or 12 volt DC current

Operating Issues

1. When charging, spotlight will not operate. Be sure Spotlight Charge Port is disconnected before main beam usage.
2. If Trigger can't be fully depressed, check to see if Trigger Switch is locked. If it is, release the Trigger Lock.
3. If unit does not operate, battery may be completely discharged. Charge unit using AC adapter following the directions in the manual.
4. If you suspect a bulb is blown, check the bulb filament. If the filament is coiled and unbroken, the bulb is not blown. If the filament is broken, replace the bulb.

SPECIFICATIONS

Spotlight Bulb: 6 volt, H3 series, 55 watt

Battery: Maintenance-free, sealed lead-acid,
6 volt, 3 amp/hour

AC Charger: UL Listed Class 2, 12 volt DC (300 mA)

DC Plug Fuse: 0.5A/250 V

