



**1,000,000**

# POWER SERIES RECHARGEABLE SPOTLIGHT

VEC117-AU

INSTRUCTION MANUAL

051005 E08 PJ

**ALUMINIUM  
CONSTRUCTED**

# **GMC**®

**GLOBAL MACHINERY COMPANY**

**2 YEAR**  
REPLACEMENT WARRANTY  
**30 DAY**  
SATISFACTION GUARANTEE

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## **Full 2 Years Home Use Warranty**

*Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.*

*This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply.*

*The warranty replacement unit is only made available by returning the tool to the place of purchase with a confirmed register receipt. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.*

*This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use.*

*It also does not cover any bonus accessories unless the tool is a GMC Platinum Professional model.*

*Please ensure that you store your receipt in a safe place. Conditions apply to the above warranty.*

*If you need direction of what constitutes a free of charge warranty claim, please review the guide given on the rear of the Receipt Holder. An indication is given as to the types of claim that are permissible, and those that are not.*

## Dear Customer

If you require any help with your product, whether it is a Warranty claim, spare part or user information, please phone our Help Line for an immediate response. Phone 1300 880 001 in Australia or 0800 445 721 in New Zealand.

## Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.


**CAUTION.** Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.


Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.


## Description of symbols


The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.

### Battery


 Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.


 Do not throw into fire


 Do not immerse in water

 Do not dispose of as waste

### Charger

  
N380 Conforms to relevant standards for electromagnetic compatibility.

 Must be used indoors

 Is double insulated

## Specifications

### Charger

Input	240V AC 50Hz
Output	12V DC 300mA
	DC charger adaptor fuse 0.5A

### SpotLight

Spotlight Bulb	6V 55W Max Type H-3
Battery	Maintenance free, sealed lead acid, 6V, 3 Amp hour
DC charger adaptor fuse	0.5A
Weight	1.5kg
Length	215.9mm
Width	114.3mm
Height	196.85mm
Charge Time	AC 15 hours 12-15 hours Approx (after first use) DC Approx 12 hours
Lighting Duration Spotlight	Low    Approx 40 Min Med    Approx 30 min High    Approx 15 Min
Lighting Duration Area Light	Approx 6 hours

## Safety instructions

**WARNING.** Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### SAVE THESE INSTRUCTIONS

#### Work Area

1. **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

#### Electrical Safety

1. **Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. **When operating a power tool outdoors, use an outdoor extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

## **Personal Safety**

- 1. Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- 2. Use safety equipment.** Always wear eye protection. Safety equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 3. Avoid accidental starting.** Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- 4. Remove any adjusting key or wrench before turning the tool on.** A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
- 5. Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- 6. Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- 7. If devices are provided for the connection of dust extraction and collection facilities ensure that these are connected and properly used.** Use of these devices can reduce dust-related hazards.

## **Power Tool Use and Care**

- 1. Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- 2. Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- 3. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- 5. Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- 6. Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- 7. Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.

## **Service**

- 1. Have your power tool serviced by a qualified repair personnel using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

## **Additional safety instructions for the spotlight**

**WARNING.** Contains non-spillable sealed lead acid battery. Must be recycled or disposed of properly.

**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.

1. Do not substitute power cords or charging adapters. Only charge with supplied AC and DC charging adapters. Charging Adapters for this unit supply 12 volts DC.
2. Do not submerge in water. This unit is not waterproof - it is water resistant.
3. Keep children away from spotlight. This is not a toy!
4. Lens gets very hot when spotlight is operating. Do not touch lens while operating.
5. Keep combustibles away from spotlight lens - extreme heat can cause fires.
6. Do not stand the spot light when turned on with the lens face downward.
7. Keep sharp objects away from lens - it is glass and it can break.
8. Do not drop or throw spotlight, it contains glass and a sealed lead acid battery.
9. Dispose of unusable batteries in a responsible manner (See battery disposal section).
10. Do not crush, cut, pull or expose charging adapter cords to extreme heat.
11. Keep charging adapter cords away from sharp edges.
12. Position charge adapter cords so that they do not become entangled or become a safety hazard.
13. Do not shine spotlight in eyes.
14. Do not operate while recharging.

## **Additional safety instructions for the charger**

- Before using the charger, read all the instructions and cautionary markings on the charger and spotlight.
- Only charge your spotlight indoors as the charger is designed for indoor use only.
- **WARNING.** Do not allow any liquid to come into contact with the charger. There is a danger of electric shock.
- Allow the battery pack to cool down after charging, do not place it in a hot environment such as a metal shed or open trailer left in the sun.
- The spotlight is not intended for any use other than charging the exact type of rechargeable battery pack as supplied with the charger. Any other use may result in the risk of fire, electric shock or electrocution.
- The charger and spotlight are specifically designed to work together. Do not attempt to charge the spotlight with any other charger than the one supplied.
- Do not place the charger near any heat source.
- Make sure that the charger cable is positioned where it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- Do not use an extension cord unless it is absolutely necessary. The use of an improper extension cord could cause the risk of fire, electric shock or electrocution.
- Do not use the charger if it has been subjected to a heavy knock, dropped or otherwise damaged in any way. Take the charger to an authorised service centre for a check or repair.
- Do not disassemble the charger. Take it to an authorised service centre when service or repair is required. Incorrect re-assembly may result in the risk of fire, electric shock or electrocution.

- *To reduce the risk of an electric shock, unplug the charger from the power supply before attempting to clean it.*
- *Never attempt to connect two chargers together.*
- *Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 104°F (40°C) such as alongside sheds or metal structures in the summer.*
- *The charger is designed for use from a standard household electrical supply (230–240 volts). Do not attempt to connect the charger to a supply with a different supply.*



### **Know your product**

1. Trigger switch
2. Area light switch
3. Area light
4. LED indicator
5. Recharge port
6. Trigger switch lock
7. Pistol grip handle
8. Lanyard
9. AC charge adapter
10. DC charge adapter





## Unpacking

Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

## Operation

**Important.** For first time operation of spotlight, the average charge time is 15 hours.

Charge time after first use is 12 - 15 hours.

If unit is not used for two months, it is suggested the battery be recharged for approx 4 hours and repeated every 2 months of non use.

**Important.** Do not charge with AC and DC chargers at the same time.

## AC Power Charging

**CAUTION.** Use only with AC Charging Adapters that are approved with unit.

**Important.** Before plugging in the power supply from the charger to the spotlight always ensure that the plug is switched off at the main as well as the spotlight and trigger switch is in the off position.

1. Connect the power supply from the charger to the spotlight via the barrel connector .Plug into the recharge port socket at the base of the housing (5).
2. Plug in the charger and switch on. The LED indicator (4) will show power and that charging is taking place.
3. Charge for approximately 12 – 15 hours maximum or until the green LED is lit.



4. Turn off the charger power supply from the main. Disconnect the barrel connector from the recharge port (5). Wait 5 minutes before use. Store adaptor in a safe place.

**Do not overcharge** – Charge until LED light green status (max 12 – 15 hours).

**Important.** Do not operate when charging.

## DC Power Charging

**CAUTION.** Use only with DC Charging Adapters that are approved with unit.

**Important.** The DC source (jump starter, battery pack, vehicle accessory socket, etc.) must be 12 Volt DC and should be able to supply at least one half Amp at 12 VDC for 10 hours. This means a battery pack should be charged with at least 5 Amp hours capacity.

1. Plug the DC fused recharge adapter (10) into the recharge port at the base of the housing (5).
2. Insert the power plug into the accessory socket of your power source. The LED indicator (4) will show power and that charging is taking place.
3. Charge for approximately 10-12 hours maximum or until the green LED is lit.
4. Disconnect charger from power supply. Unplug the barrel connector from the recharge port (5) Wait 5 minutes before use. Store adaptor in a safe place.

**Do not overcharge** – Charge until LED light green status. **DO NOT** charge for more than 24 hours with DC charger.

**Note.** Some vehicles must have the ignition switch on to power the vehicle accessory outlet.



## LED

The spotlight has 3 LED indicators (4) which indicates battery level when in operation and status whilst charging.

Red LED indicates battery is in a low level of charge.

Amber LED indicates battery is partially charged.

Green LED indicates battery is fully charged.

There is also an area light (GMC Part VEC117AU-AREA) which illuminates the work area, improving vision which can continuously operate for approx 6 hours on a fully charged battery.

To turn the LED and area light on and off, depress the light switch (2)

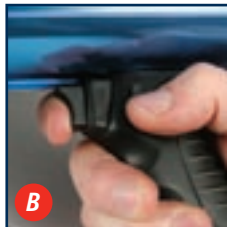
## Using the Spotlight

The Spotlight has a digital electronic control dimmer with three levels of brightness.

Depressing the trigger switch (1) advances the brightness of the spotlight to dim, brighter, brightest (fig. A). This allows the user to set the desired brightness of the light. Depressing trigger at one second intervals to allow the internal circuits to set to the next level. Lower brightness operation extends the run time.

The Trigger Switch may be locked in the ON position (fig. B) to provide continuous light at any level without continuously depressing the Trigger Switch.

To lock trigger switch slide trigger switch lock upwards. This can be done in the on or off position. To release lock, slide lock downwards.



The spotlight's circuitry will automatically dim the light when the battery's power is reducing. This preserves the run time of the spotlight.

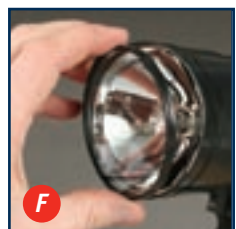
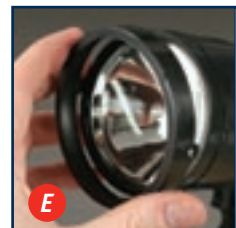
The circuit also prevents deep discharge of the battery even if the light turns off from battery discharge. Recharge as soon as possible, as allowing a discharged battery to remain so will reduce the battery life.

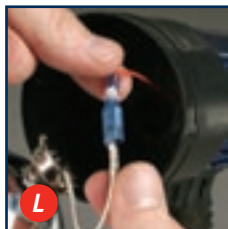
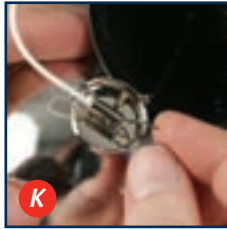
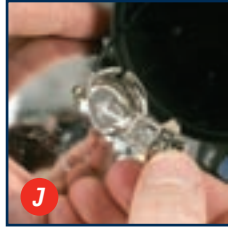
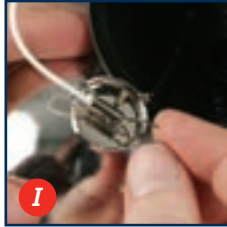
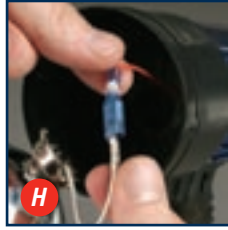
## Replacing the Spotlight

To replace the H3 type 6V bulb you will need a small Phillips type screwdriver and a replacement bulb (GMC Part VEC117-AUBUL).

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. Pull backward the rubber bezel away from the front of the spotlight to reveal two small Phillips screws in the Retaining Ring (fig. C).
3. Using the screwdriver, remove (counter-clockwise) the two screws and set them aside (fig. D).
4. Lift off the retaining ring, glass lens and rubber "O" ring and set them aside (fig. E & F).



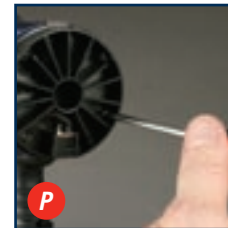
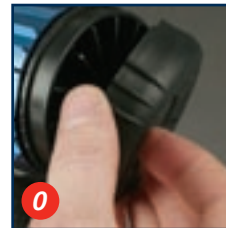


5. Carefully remove the reflector and bulb assembly (fig. G).
6. Disconnect the bulb wire from the red power wire (fig. H).
7. Unsnap the hairpin retaining wires from the reflector's flange (fig. I).
8. Using the screwdriver, loosen the retaining screw to remove the bulb from the reflector (no need to completely remove this screw).
9. Lift out the bulb and the attached wire (fig. J).
10. Insert the replacement bulb into the reflector's flange.
11. Put back and secure the hairpin retaining wires (fig. K).

12. Connect the white bulb power wire to the red power wire (fig. L).
13. Tighten the retaining screw on the flange (fig. M).
14. Reassemble in reverse order.
15. Operate switch to ensure proper operation of spotlight (fig. N).

### Replacing the Battery Pack

The Sealed Lead Acid Battery has a life of several years, if recharged promptly after each use. When a fully charged battery only provides about five minutes or less of spotlight operation, it should be replaced with a new one.



To replace the battery, you will need a narrow shaft Phillips type screwdriver and a replacement battery (GMC Part VEC117-AUBAT). The battery pack can be replaced by doing the following:

1. Remove the rubber end cap from the back of the body, noting the location of the Recharge Port (fig. O).
2. Remove the four Phillips screws (clockwise) that fasten the inner hard plastic end cap (fig. P).

3. Separate the hard plastic cap from the body (fig. Q).
4. Note the battery can slide out of the body so keep the body level (fig. R).
5. Slowly lift the lens end of the light so the battery slides out of the body (fig. S).
6. The battery terminals are attached to two wires. These wires must be disconnected from the terminals of the battery.

**WARNING: DO NOT ALLOW BARE WIRES OR CONNECTORS TO CONTACT EACH OTHER DANGEROUS SPARKING CAN OCCUR. NOTE WHICH WIRES ARE ON THE BATTERY TERMINALS**

7. Note polarity of battery.  
Note which color wire is on which terminal.
8. Disconnect the wires from the battery and set the battery aside.
9. Connect the replacement battery, making sure the correct color wires are on the new battery terminals. Make sure POS (+) is red and NEG (-) is black.

**CAUTION:** Incorrectly connected wires will not allow the spotlight to operate. Incorrect battery polarity will damage the circuits inside the spotlight. Double check battery polarity before reassembly!

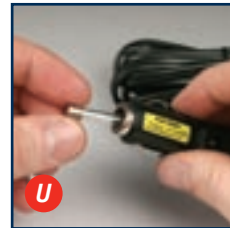
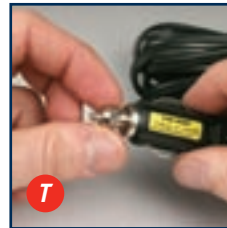


10. Replace hard plastic battery compartment cover. Make sure wires are not crushed.
11. Replace four Phillips screws in battery compartment cover; do not over tighten.
12. Replace Rubber End Cap so the Recharge Port is accessible. Charge the recommended time for a new battery. This is typically 12 - 15 hours or until the green Battery Status LED is lit.

### Replacing the DC Plug Fuse

The fuse in the DC plug (10) 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 (counter-clockwise) (fig.T).
2. Remove spring center contact and fuse (fig. U).
3. Check fuse with a continuity checker.
4. If blown, locate replacement fuse with same type and rating (0.5A)
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.



## **Maintenance**

*Store the spotlight, instruction manual and where necessary the accessories in the original packaging. In this way you will always have all the information and parts ready to hand.*

**Do not** throw used batteries into fire or water. There is a danger of explosion! Please hand in non-working or used batteries, or tools with built-in batteries, to the environmentally-safe disposal unit at a municipal waste-disposal centre, or to your dealer.

**Important.** All batteries lose charge over time, especially when they are warm. AC recharge is recommended every two months, when not in frequent use. Use the AC recharger and charge for the recommended time.

*If the unit has dirt on it, 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 recharge adapters, connectors, and wires. Replace any components that may have become worn or broken.*







# Carefully read the entire Instruction Manual before using this product.

Before returning this product for a Warranty Claim or any other reason  
Please Call 1300 880 001 (Australia) or 0800 445 721 (New Zealand)

When you make your call, please have the following information at hand:

■ GMC Product Type ■ GMC Product Code

A GMC Service Engineer will take your call and, in most cases, will be able to solve your problem over the phone.

You are welcome to use this phone-in service to make suggestions or give comments about any GMC product.

With continuing product development changes may have occurred which render the product received slightly different to that shown in this instruction manual.

The manufacturer reserves the right to change specifications without notice.

**Note:** Specifications may differ from country to country.

 Helpline 1300 880 001 (Australia) or 0800 445 721 (New Zealand)

The GMC 777 Helpline operates from **7am to 7pm, 7 days a week (EST)**. This allows you to contact GMC directly with any queries and technical questions you have regarding products.

**Save this Manual for future reference**

**GMC Head Office:**

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