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POWER SERIES RECHARGEABLE SPOTLIGHT

VEC158-AU

INSTRUCTION MANUAL

051010 ED13 PS

GMC[®]

GLOBAL MACHINERY COMPANY



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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 50 Hz
Output:	12V DC 500mA
DC Cable Fuse:	15 A

SpotLight

Spotlight Bulb:	12V 100W Max, Type H-3
Battery:	Two Maintenance free, sealed lead acid, 6V, 6 Amp hour
Weight:	3.40kg
Length:	228.6mm
Width:	219.09mm
Height:	371.48mm
Charge Time:	AC Approx 25 hours DC Approx 4-6 hours
Lighting Duration Spotlight:	Single Beam 40 min Double Beam 20 min
Lighting Duration Area Lights:	20 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.

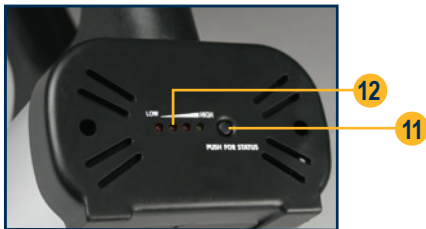
Additional safety instructions for the charger

- 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. Twin quartz halogen bulb
3. Two LED area lights
4. Rubber bezel
5. Easy grip handle
6. Upper battery compartment
7. 12 Volt DC accessory outlet
8. AC recharge port
9. DC recharge port
10. 3 position switch
11. LED status button
12. LED indicator
13. Lower battery compartment
14. AC charge adapter
15. 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

It is recommended that for first time charging, you charge your spotlight using the AC power adaptor.

Important. For first time operation of spotlight, the average charge time is 25 hours.

Charge time after first use is 25 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 (14). Plug into the recharge port socket at the back of the housing (8).

2. Plug in the charger and switch on. The LED indicator (12) will show power and that charging is taking place.

Charge for approximately 25 hours maximum, or until LED Indicator displays green when the LED status display switch is pressed.

Do not overcharge



3. Turn off the charger power supply from the main. Disconnect the barrel connector from the recharge port (8). Wait 5 minutes before use. Store adaptor in a safe place (14).

Important. Do not operate when charging.

DC Power Charging & Corded Operation

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. The DC source should be able to supply at least 15 amps of current if the spotlight is to be operated while the battery is being charged.

IMPORTANT. DO NOT TURN ON ANY LAMPS OR OPERATE ANY DC APPLIANCES THROUGH THE SPOTLIGHT'S ACCESSORY OUTLET WHEN THE AC/DC RECHARGE ADAPTER IS CHARGING THE UNIT.

1. Plug the DC fused recharge adapter (15) into the recharge port at the back of the housing (9).
2. Insert the power plug into the accessory socket of your power source.
3. The spotlight maybe operated whilst the internal batteries are charging.
4. Charge for approximately 4-6 hours maximum, or until LED indicator displays green when the LED status display switch is pressed. Do not overcharge
5. Disconnect charger from power supply. Unplug the connector from the recharge port (9) Wait 5 minutes before use. Store adaptor in a safe place (15).

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



LED Indicators

The spotlight has 3 Red and 1 Green LED Indicators (12) which indicates battery level when in operation and status whilst charging.

Red LED's indicates battery status as either Low (one red LED), Med (Two LED) or High (three LED) level of charge (fig A).

Green LED indicates battery is fully charged.

To turn the LED Indicators on and off, depress the LED status button (11).



Area Lights

There are also two area lights (3), which illuminates the work area improving vision.

To turn this light on slide the 3-position switch (10) to the "area" setting, to turn it off return switch to the "single" setting position.

Using the Spotlight

To prevent accidental operation of the spot light, a plastic cover shrouds the trigger switch. To operate, lift the cover upwards to access the trigger switch.

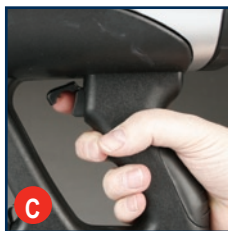
The trigger switch is squeezed to turn the spotlight on (fig. B). Release the trigger switch to turn off the spotlight (fig. C).

Selection of single bulb or dual spotlight or area light is controlled by a three-position slide switch on the rear of the unit (10) (fig. D).

Left switch position turns on area lights.

Centre switch position selects the single spotlight bulb.

Right switch position selects both spotlight bulbs.



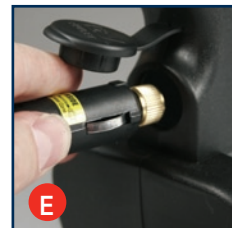
Using the 12 volt accessory outlet

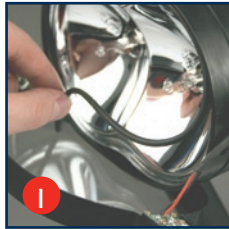
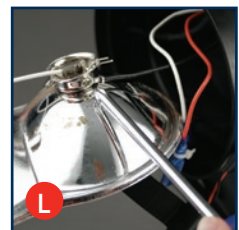
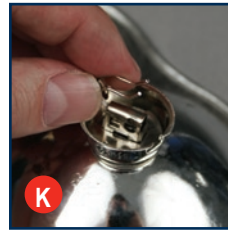
The VEC 158-AU also has the facility to operate other 12 Volt products, provided they are fitted with mating 12 Volt DC adaptor.

The MAX current rating the Spotlight will provide for such accessories is 5 Amp. Do not use this accessory socket for any accessory which exceeds 5 amp.

To power an accessory, flip up the small rubber cap (7) and fully insert the DC adaptor of the accessory (fig. E). There is no On / Off switch for the DC outlet so ensure the accessory is in the OFF position when the DC plug is inserted.

Ensure to replace the rubber cap when the DC plug is removed to protect the socket from the entry of foreign matter.





Replacing the spotlight

To replace the H3 type 12 volt bulb, you will need a small Phillips type screwdriver and a replacement bulb (GMC Part VEC120-AUBUL).

Bulb life can 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 the rubber bezel away from the front of the spotlight to reveal two small Phillips screws in the wide retaining ring. The screws are on opposite sides of the ring (fig. F).
3. Using the screwdriver, remove (counter-clockwise) the two screws and set them aside (fig. G).
4. Lift off the retaining ring, glass lens and rubber "O" ring and set them aside (fig. H & I).
5. Carefully remove the reflector and bulb assembly (fig. J).
6. On the failed bulb, disconnect the bulb wire from the red power wire.
7. Unsnap the hairpin retaining wires from the reflector's flange (fig.K).
8. Using the screwdriver, loosen the retaining screw to remove the bulb from the reflector (no need to completely remove this screw) (fig. L).
9. Lift out the bulb and the attached wire (fig. M).





Replacing the battery pack

The rechargeable, sealed, lead acid batteries have a life of several years, if recharged promptly after each use. When the fully charged batteries only provide about 10 minutes or less of spotlight operation, they should be replaced with new batteries.

The VEC158-AU spotlight requires two GMC Part VEC120-AUBAT batteries, one for the upper compartment, the other for the lower compartment. It is recommended that you change both of them at the same time.

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

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. Insert the replacement bulb into the reflector's flange.
11. Put back and secure the hairpin retaining wires (fig. N).
12. Connect the white bulb power wire to the red power wire (fig. O).
13. Tighten the retaining screw on the flange (fig. P).
14. Reassemble in the reverse order.
15. Operate switch to ensure proper operation of spotlight (fig. Q).

Replacing the DC plug fuse

The fuse in the DC plug protects the charging circuit of the DC Recharge Adapter (15). If the AC recharger operates but the DC charging adapter does not, then the fuse may need replacement. To replace the fuse:

1. Unscrew the end cap of the DC Plug (counterclockwise) (fig. R).
2. Remove spring centre contact and fuse.
3. Check fuse with a continuity checker.
4. If blown, locate replacement fuse with same type and rating (15 Amp)
5. Replace the fuse, spring, contact and end cap (fig. S).
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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GMC[®]
GLOBAL MACHINERY COMPANY

2 YEAR
REPLACEMENT WARRANTY
30 DAY
SATISFACTION GUARANTEE