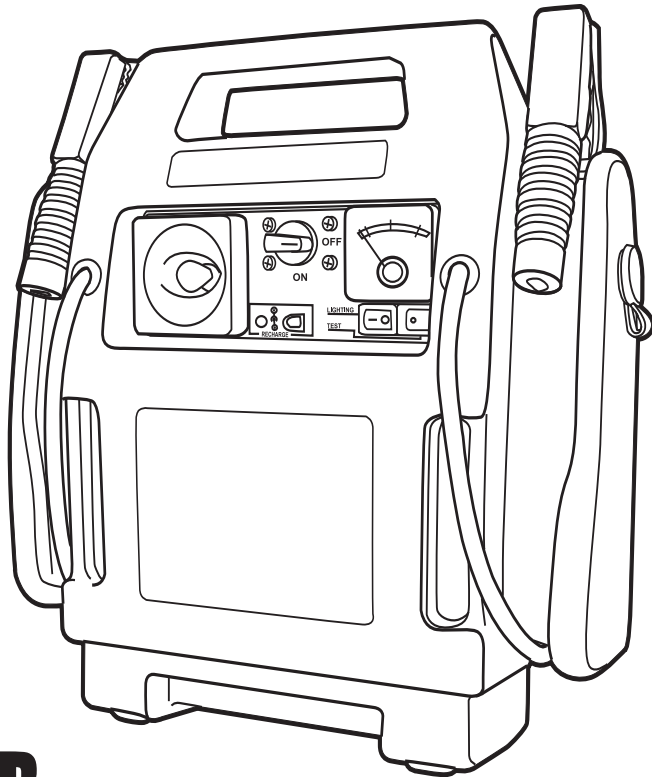




Commercial
Electric

250 / 700 AMP JUMP STARTER

MANUAL - Model No. CEJS250A



2 YEAR
Replacement
Warranty

OPERATING INSTRUCTIONS

Please read the operating instructions carefully prior to use. Please retain the instructions in a safe place for future reference.

INTRODUCTION

Congratulations on purchasing the 250 / 700Amp Jump Starter. We aim to provide quality products at an affordable price. We hope you will enjoy using product for many years.

The Commercial Electric Jump Starter CEJS250A has been designed for jump starting 4 and 6 cylinder vehicles. It can also be used for running DC appliances that would normally be powered through 12V DC sockets found in most vehicles.

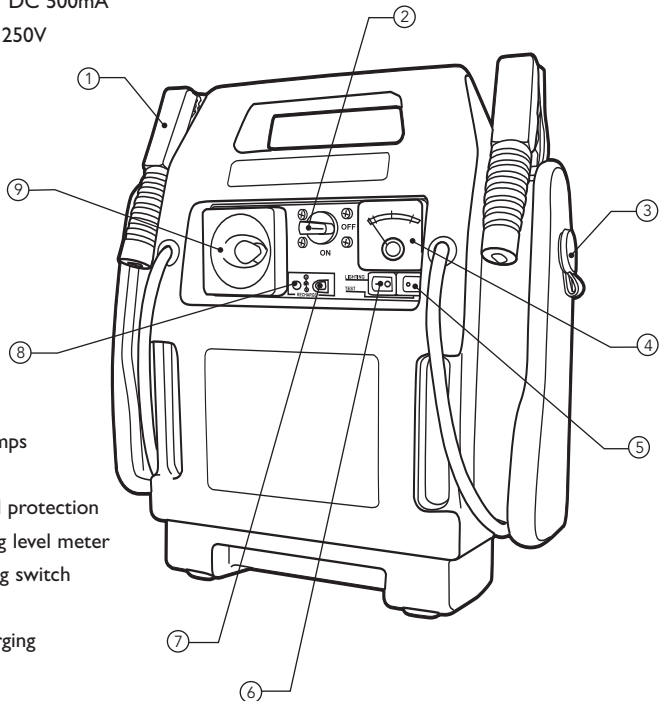
SPECIFICATIONS

Jumpstarter

Model number:	CEJS250A
Battery:	12V, 17Ah (sealed lead acid)
Output:	12V DC 250 amps boost 12V DC 700 amps peak
Light globe:	14V, 3.6W
Charge time:	72 hours AC

Charger

Transformer input:	240V ~ 50Hz 10W
Transformer output:	12V DC 500mA
DC charger adaptor fuse:	5A, 250V



1. Heavy duty 250 Amp boost clamps
2. On/off switch
3. 12 Volt dc output with overload protection
4. Colour coded battery / charging level meter
5. Charging / battery level checking switch
6. Light on/off switch
7. Receptacle for AC and DC charging
8. LED Charging indicator
9. 3 Watt emergency light

SAFETY INSTRUCTIONS

Warning! When using mains-powered equipment precautions including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read the whole manual carefully and make sure you know how to switch the unit off, in an emergency, before operating.

Save these instructions and other documents supplied with the Jump Starter for future reference.

GENERAL

- 1. Keep work areas clean.** Cluttered work areas and benches can cause accidents.
- 2. Consider work area environment.** Do not expose your tool to high humidity or rain. Do not use your tool in damp or wet conditions. Keep the work area well lit. Do not use your tool where there is a risk of causing fire or explosion, e.g. in the presence of flammable liquids and gases.
- 3. Keep children away.** Do not allow children, visitors or animals to come near the work area or to touch the tool or power lead.
- 4. Dress appropriately.** Do not wear loose clothing or jewellery, as these can be caught in moving parts. Preferably wear non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.
- 5. Head protection. Always use safety glasses.** Use a face or dust mask whenever the operations may produce dust or flying particles. Wear ear protection whenever the sound level seems uncomfortable.
- 6. Guard against electric shock.** Prevent body contact with earthed or grounded surfaces (e.g. pipes, radiators, cookers and refrigerators). Electric safety can be further improved by using a high sensitivity (30 mA / 30 mS) residual current device (RCD).
- 7. Do not overreach.** Keep proper footing and balance at all times.
- 8. Stay alert.** Watch what you are doing. Use common sense. Do not operate the tool when you are tired.
- 9. Secure work piece.** Use clamps or a vice to hold the work piece; it is safer as it frees both hands to operate the tool.
- 10. Remove adjusting keys and wrenches.** Always check that adjusting keys and wrenches are removed from the tool before operating the tool.
- 11. Extension leads.** Before use inspect the extension leads and replace if damaged. When using the tool outdoors, only use extension leads intended for outdoor use and marked accordingly.
- 12. Use appropriate tool.** The intended use is described in this instruction manual. Do not force small tools or attachments to do the job of a heavy duty tool. The tool will do the job better and safer at the rate for which it was intended. Do not force the tool.

Warning! The use of any accessory or attachment, or performance of any operation with this tool other than those recommended in this instruction manual may present a risk of personal injury.

- 13. Check for damaged parts.** Before use carefully check the tool and power lead for damage. Check for misalignment and seizure of moving parts, breakage of parts, damage to guards and switches and any other conditions that may affect its operation. Ensure that the tool will operate properly and perform its intended function. Do not use the tool if any parts are damaged or defective. Do not use the tool if the switch does not turn it on and off. Have any damaged or defective parts repaired or replaced by an authorised service agent. Never attempt any repairs yourself.

GENERAL (CONT.)

14. **Unplug the tool.** Shut off the power and wait for the tool to come to a complete standstill before leaving it unattended. Unplug the tool when it is not in use, before changing any parts of the tool, accessories or attachments and before servicing.
15. **Avoid unintentional starting.** Do not carry the tool with a finger on the on/off switch. Make sure the tool is switched off when plugging in.
16. **Do not abuse the cord.** Never carry the tool by its cord or pull it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.
17. **Connect dust extraction equipment.** If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used.
18. **Store idle tools.** When not in use, tools should be stored in a dry, locked up or high place, out of reach of children.
19. **Maintain tools with care.** Keep tools clean and in good condition for better and safer performance. Follow the instructions for maintenance and changing accessories. Keep handles and switches dry, clean and free from oil and grease.
20. **Have your tool repaired by an authorised service agent.**
This power tool complies with relevant safety requirements. To avoid danger, electrical appliances must only be repaired by qualified technicians using original spare parts; otherwise this may result in considerable danger to the user.
21. **Users.** This appliance is not intended for use by young children or infirmed persons without supervision. Young children should be supervised to ensure that they do not play with this appliance.
22. **Replacement of the supply cord.** If the supply cord is damaged, it must be replaced by the manufacturer or an authorised service agent in order to avoid a hazard.

ADDITIONAL SAFETY INSTRUCTIONS

- When the unit is charging or not in use ensure all the On/off switches are in the 'Off' position. Always ensure switches are in the 'Off' position prior to connection of power sources.
- Excessive engine cranking can damage a vehicle's starter motor. If the engine fails to start after the recommended number of attempts, discontinue jump start procedures and look for other problems that may need to be corrected.
- Although this unit contains a sealed (non-spillable) lead acid battery it is recommended that the unit is kept upright during storage, use and recharging. To avoid possible damage that may shorten the unit's working life, protect it from direct sunlight, direct heat and/or moisture.
- Do not attempt to jump start a frozen battery.
- Never immerse this unit in water.

OPERATION

Charging / recharging of jump starter

For maximum battery life it is best to keep the jumpstarter battery fully charged at all times. Allowing the battery to remain in a discharged state will shorten the battery life.

Make sure all switches are turned 'Off' during charging.

OPERATION (CONT.)

By pressing the charging level button (5) you can see what state of charge (4) the jump starter's battery is in. When fully charged the needle should point to around 13.6V.

Important! The jump starter battery must be recharged every 3 months or immediately when the needle has fallen short of the yellow area on the DC voltmeter. Always recharge the jump starter battery after each time it is used. Failure to recharge the battery may result in rapid loss of battery life. Battery life lost due to failing to recharge will not be covered under warranty.

240 Volt ac charging

Only use the transformer supplied with the unit.

1. Remove any DC appliances that may have been connected to the jump starter.
2. Turn all the switches on the jumpstarter to 'Off'.
3. Ensure the clamps are stored on the unit as per the features image on page 1.
4. Insert the transformer lead to the charging receptacle on the front of the unit.
5. Connect the transformer to a 240V power point and turn on the mains. The LED charging indicator (8) will turn red.
6. Once charged the LED charging indicator will turn green.

The following table is a guide for the relationship between charging times and jump starts:

Number of Jumpstarts	Recharging time in hours
1	10
2	10
3	10
4	11
5	11
6	12
Fully discharged battery	72

The figures above are for references only. The real charging time may vary depending on the actual using condition, charging load, and battery status.

12 Volt dc charging

Only use the DC charger adaptor supplied with the unit.

1. Remove any DC appliances that may have been connected to the jump starter.
2. Turn all the switches on the jumpstarter to 'Off'.
3. Ensure the clamps are stored on the unit as per the features image on page 1.
4. Insert the 12V dc adaptors lead to the charging receptacle (7) on the front of the unit.
5. Connect the 12V dc adaptor into the 12V dc socket in a vehicle.

OPERATION (CONT.)

6. Turn on the socket switch in the vehicle to begin the charge. Should there not be a switch for this it probably turns on automatically when the vehicle ignition is turned on to a point where the electrics work or when the vehicle is started. The LED charging indicator (8) will turn red once charging commences.
7. Once the jump starter's battery is charged (13.6V) the LED charging indicator (8) will turn green. When it turns green turn off the vehicles socket switch (or turn off the electrics), and remove the adaptor from the vehicles dc socket.

Important! Do not use the jump starter immediately after it has been charged, wait at least one hour before using the jump starter; in doing so it will allow the battery to cool and also allow any hydrogen gas to volatilize completely before use.

Procedure for jump starting NEGATIVE grounded systems

For optimum performance when jumpstarting a negatively grounded vehicle please read and follow the below steps:

1. Switch the ignition (of the vehicle to be jump started) to the 'Off' position.
2. Connect the red clamp ('+' positive) to the '+' (positive) battery terminal of the vehicle.
3. Connect the black clamp ('-' negative) to a non-moving metal part of the engine, (not to the '-' negative battery terminal).
4. Turn the jump starters red On/off switch (2) to the 'On' position.
5. Switch the vehicles engine ignition to the 'On' position and wait for several minutes.
6. Switch the vehicles ignition to the start position but for no longer than 5 - 6 seconds.
7. If the vehicles engine does not start, wait for at least 3 minutes before trying again.

UNDER NO CIRCUMSTANCES ALLOW THE RED AND BLACK CLAMPS TO TOUCH EACH OTHER (OR A COMMON CONDUCTOR) AS THIS WILL CAUSE DANGEROUS SPARKS, POWER ARCING AND/OR EXPLOSION.

8. Once the engine is running, disconnect the black clamp ('-' negative) first and return it to the storing position on the jump starter housing.
9. Disconnect the red clamp ('+' positive) and return it to the storing position on the jump starter housing.
10. As soon as possible recharge the jump starter to a fully charged state via either the AC or DC methods previously described.

Using the Jump Starter as a power source

To use the unit as a 12V power source:

1. Ensure the red On/off switch (2) is turned to the 'Off' position (this should only be turned to the 'On' position during a jump starting procedure).
2. Lift up the cover of the 12V dc socket on the right side of the housing.
3. Insert the 12V dc socket adaptor (of the appliance you wish to use) into the 12V dc socket (3) in the jump starter.

The following table will give you an idea of what operation time you can expect when starting from a fully charged system.

OPERATION (CONT.)

Appliance type	Estimated power consumption (in watts)	Estimated usage time (in hours)
Fluorescent lights, mobile phones	4	21.1* / 36**
Radios, fans, depth finders	9	10* / 16**
Camcorders, VCR's, spotlights	15	6* / 9.6**
Electric tools, bilge pumps	24	3.6* / 6**
Electric coolers	48	1.8* / 3**
Air compressors, car vacuums	80	1.1* / 2**

* Value to use till the battery voltage drops to 12.20V, ** Value to use till the battery voltage drops to 10.50V.

Emergency light

The jump starter has a built in light for roadside vehicle repairs or emergency situations away from commercial power. To turn on the light push the 'I' side of the light switch (6). To turn off push the 'O' side of the light switch.

CONTENTS

1 x Jump Starter
1 x Transformer

1 x 12V dc socket adaptor
1 x Operation manual

PRODUCT WARRANTY

2 YEAR REPLACEMENT WARRANTY

Your Commercial Electric product is covered for a Period of 24 months from the **ORIGINAL Date of purchase.**

The Warranty covers faulty parts or workmanship.

The warranty is only made available by returning the product to your point of purchase with a **confirmed cash register receipt.**

PURCHASED FROM:

DATE OF PURCHASE:

THIS WARRANTY FORM SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES.

WARNING

The following actions will result in the warranty being void:

- If the product has been operated on a supply voltage other than that specified on the unit.
- If the product shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- If the product has been disassembled or tampered with in any way.

Note: Warranty excludes consumable parts such as tubes, globes, batteries and all accessories.

YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES.

SHOULD YOU HAVE ANY QUESTIONS PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY OR REPAIR PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:

**Australia 1800 069 486
New Zealand 0508 069 486**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

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