

IMPORTANT: BEFORE USING THESE PRODUCTS, PLEASE READ THE INSTRUCTIONS CAREFULLY, MAKE CAREFUL NOTE OF SAFETY INSTRUCTIONS, WARNINGS AND CAUTIONS. THESE PRODUCTS SHOULD ONLY BE USED FOR ITS INTENDED PURPOSE. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

SAFETY INSTRUCTIONS



WARNING! RISK OF EXPLOSIVE GASES.

Working in the vicinity of a lead acid battery is dangerous because they can generate explosive gases. It is important to remember that batteries generate gases during normal operation.



WARNING! This equipment contains a sealed, non spillable lead acid battery. This must be disposed of in accordance with local regulations.

IMPORTANT INFORMATION TO HELP KEEP YOUR LION JUMP START HEALTHY

Read and understand the general safety and operating instructions before use.

The following information is intended to help keep the Lion Jump Start in top working order.

NOTE: The battery in these units are a consumable item and will degrade over time. You can help prolong the lifecycle of the battery by following a few simple guidelines.

- ✱ Plug in your new Lion Jump Start to the mains transformer and make an **INITIAL** charge lasting 72 hours.
- ✱ Ensure the unit is fully charged before storage.
- ✱ **DO NOT** leave the Lion Jump Start for longer than 2 months without putting it on charge.
- ✱ **DO NOT** attempt to start a vehicle when the Lion Jump Start battery is reduced to less than 7 volts.
- ✱ **DO NOT** drop or roughly handle the Lion Jump Start, this will break or disjoin the battery terminals rendering the battery useless and the warranty void.
- ✱ **DO NOT** use any other charger, other than the one supplied, to recharge the batteries.

IMPORTANT: To reduce the risk of a battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Remember to review warning marks on all products and on engines.

PERSONAL PRECAUTIONS:

- ✓ Ensure there is another person within hearing range, or close enough to come to your aid should a problem arise, when working near a lead-acid battery.
- ✓ Have fresh water and soap nearby in case battery acid contacts skin, clothing or eyes.
- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working with a battery.
- ✓ Wash immediately with soap and water if battery acid contacts skin or clothing. If acid enters eye, flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.
- ✓ Remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short circuit current high enough to weld a ring or the like to metal, which may cause severe burns.

IMPORTANT SAFETY INSTRUCTIONS:

- ✓ Familiarise yourself with the applications, limitations and potential hazards of the Lion Jump Start.
- ✓ Keep the unit in good working order and condition. Replace damaged parts immediately.
- ✓ Use only recommended parts. To use unapproved parts may be dangerous and will invalidate your warranty.
- ✓ The Lion Jump Start must be opened and checked by qualified service personnel. **DO NOT** disassemble the unit for any reason.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Keep work area clean and tidy and free from unrelated materials. Ensure that there is adequate lighting.
- ✓ When not in use re-charge every two months.
- ✗ **DO NOT** touch positive and negative clamps together as this could cause an explosion.
- ✗ **DO NOT** smoke or allow a spark, or flame in the vicinity of the battery or engine.
- ✗ **DO NOT** drop any metal item onto the battery as it may spark or short circuit the battery, which could cause an explosion.
- ✗ **DO NOT** use Lion Jump Start to recharge dry cell batteries that are commonly used with home appliances. These batteries may explode and cause personal injury and damage to property.
- ✗ **DO NOT** charge or boost a frozen battery.
- ✗ **DO NOT** use attachments other than those recommended. To do so may cause damage to the unit and other equipment and possible personal injury.
- ✗ **DO NOT** pull or carry the unit by its cables and do not pull the negative and positive clamps from the battery terminals.
- ✗ **DO NOT** operate in vicinity of flammable liquids or gases.
- ✗ **DO NOT** recharge the unit with plugs, cables or attachments that are damaged. Replace such items immediately.
- ✗ **DO NOT** use this Lion Jump Start to perform a task for which it is not designed.
- ✗ **DO NOT** store the unit in damp or wet locations or where the temperature may exceed 50°C.
- ✗ **DO NOT** submerge the unit in water.
- ✗ **DO NOT** use whilst under the influence of drugs, alcohol or intoxicating medication.
- ✗ **DO NOT** leave the unit in a totally discharged state for an extended period of time as this may result in permanent damage to the battery.
- ✗ **DO NOT** cross-connect the power leads from the Lion Jump Start to the battery. Ensure that positive is to positive and negative is to negative.

Ensure that the unit is fully charged before storage.

WARNING! It is the user's responsibility to check the following:

You must check the AC adaptor to ensure that it is safe before using. **You must** inspect the power supply leads, plugs and all electrical connections for wear and damage. **You must** ensure the risk of electric shock is minimised by the installation of appropriate safety devices. A circuit breaker should be incorporated in the main switch board. **You must** read and understand instructions concerning electrical safety.

It is the owners responsibility of the electrical appliance to make sure the safe condition of the appliance and the safety of the operator.

If in doubt about electrical safety, contact a qualified electrician.

- ✓ **DO** ensure that the insulation on all cables and the product itself is safe before connecting to the mains power supply.
- ✓ **DO** ensure that cables are always protected against short circuit and overload.
- ✓ **DO** regular inspections of power supply, leads, plugs for wear and damage and power connections to ensure that none are loose.
- ✓ **DO** check product voltage is the same as power supply to be used.

INTRODUCTION AND SPECIFICATIONS

INTRODUCTION

Composite case with battery clip storage lugs and carry handle. Easy read, colour coded analogue gauge measures battery condition and charge indicator.

Test cycle button gives true battery indication. 240 volt charger with automatic power cut-off prevents damage to battery whilst charging from the mains.

Fitted with 12 volt power socket that will accept any 12 volt device with a cigarette lighter typw plug.

Supplied with 240 volt charger and 12 volt charger.

SPECIFICATIONS:

MODEL NO.	LA206E10	LA206E12
Cold cranking amps	380 Amps	12 volt - 680Amps
Cranking Amps	600 Amps	12 volt - 1200 Amps, 24 volt - 600 Amps
Peak Amps	1200 Amps	12 volt - 3000 Amps, 24 volt - 1200 amps
Voltage	12 volt	12 volt
Auxiliary Output	12 volt	12 volt
Cable length	1.6 metres	1.6 metres
Weight	10 kg	17 kg

CHARGING INSTRUCTIONS

Initial Charging procedure:

When first used, the Lion Jump Start unit should be charged for a minimum of 72 hours. The Lion Jump Start can be left plugged into the mains indefinitely as the internal PCB has an automatic float charging circuit which will not allow overcharging.

Charging:

The Lion Jump start Systems feature **MAINTENANCE MODE** whilst charging from 240 volt. The major benefit of **MAINTENANCE MODE** is that the Jump Starters can be left on charge indefinitely, eliminating the need to recharge your unit every 2 months. If the unit has been completely discharged, it is recommended that it is recharged for a period of 24 hours, this will ensure optimal performance during its next use.

Recharging Using Mains Adaptor:

IMPORTANT: When recharging the LA206E12 (12/24 volt) the voltage switch must be set in the 12 volt position

1. The first and preferred method of charging the Lion Jump Start is using the mains adaptor.
The LA206E10 chargers insert into the front 12 volt DC socket. (Fig.1), the LA206E12 has a charging jack that is inserted into the charge port, located on the upper rear panel (Fig.2). If using LA206E12 ensure the voltage switch is set in the 12 volt position.
2. Plug the charger into 240 volt mains power supply and turn on switch.
3. Charging progress can be monitored by pressing the test button (Fig.1) and checking battery meter (Fig1).
Do not stop charging until the battery meter indicates the unit is fully charged.
4. When not in use, the unit can be left connected to the mains charger as the internal PCB has an automatic float charging circuit which will not allow overcharging.

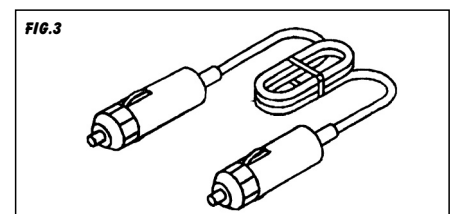
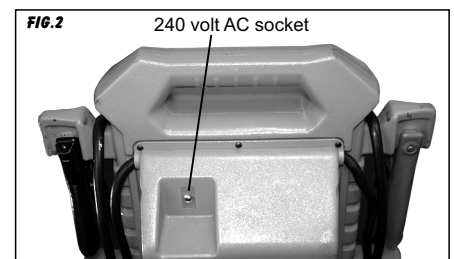
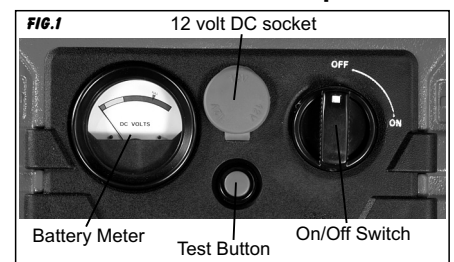
Recharging Using the Vehicle charger:

Note: Always use the mains charging facility in preference to vehicle charging when available.

1. Start the engine.
2. Plug one end of the power lead (Fig.3) into the 12 volt DC socket (Fig.1) on the unit and the other into the vehicle cigarette lighter outlet.
3. Depress the test button once every hour to check the power level.

WARNING! DO NOT OVERCHARGE!

The vehicle charging method is not an automatic charging method. Frequent monitoring of the charging process is the only safe way of ensuring the unit is not overcharged.



CHARGING TIMES

LA206E10

12 volt power source:	2 to 3 hours.
240 volt power source:	4.5 to 5.5 hours.

LA206E12

12 volt power source:	4.5 to 6 hours.
240 volt power source:	10 to 12 hours.

OPERATION

WARNING! YOU MUST FOLLOW SAFETY INSTRUCTIONS AND ENSURE THAT THE LION JUMP START AND VEHICLE VOLTAGES ARE THE SAME.

Vehicle Battery Charging

Note: Some vehicle ignition systems must be turned to “**ACCESSORY**” to activate the cigarette lighter socket. A defective battery may not accept a charge from the portable power source.

1. Plug one end of the power lead (Fig.3) into the Lion Jump start unit.
2. Plug the other end into the vehicle cigarette lighter socket.
3. Allow the battery to charge for thirty minutes.
4. Remove the power lead and start the vehicle.

Emergency Jump Start

IMPORTANT : The unit will only jump start a battery if the Lion Jump Start battery voltage is greater than 7 volts. If the Lion Jump Start is delivering less than 7 volts, plug into cigarette lighter socket and allow the Lion Jump Start to charge for 30 minutes and then try to jump start vehicle again.

Note: For optimum performance, the unit should not be stored below 10°C when using the unit as a jump start.

IMPORTANT : USE OF LA206E12

IMPORTANT : Be sure to check the voltage switch of the LA206E12 is turned to the correct voltage before connecting the cables to the vehicle. IN THE EVENT OF INADVERTENT CONNECTION TO 24 VOLT SYSTEM WITH THE SELECTION IN THE 12 VOLT POSITION:

DO NOT TOUCH THE ROTARY SWITCH.

DISCONNECT THE BATTERY AND LEAVE THE LION JUMP START UNIT TO REST FOR AT LEAST 30 MINUTES.



DANGER OF EXPLOSION IF THESE INSTRUCTIONS ARE NOT OBSERVED.

1. Turn off the vehicle ignition.
2. Attach the **RED** (positive +) clamp to the positive terminal of the battery.
3. Attach the **BLACK** (negative -) clamp to the vehicles chassis.
4. Ensure that all cables are clear of moving belts and rotating fans.
5. Maintain a safe distance from the battery whilst jump starting.
6. Turn on the ignition to start the vehicle.

NOTE: If the vehicle does not start after 6 seconds, allow the Lion Jump Start unit to cool for 3 minutes, before attempting to jump start the vehicle again. If this is not done, the unit could sustain damage.

7. When the vehicle has started, disconnect the **BLACK** (negative-) clamp from the vehicle chassis.
8. Remove the **RED** (positive +) clamp from the battery terminal.
9. Return the clamps to the side storage lugs.

Alternative Vehicle Power Supply

1. When a vehicles battery is disconnected, the memory systems in radios, electronic ignition systems and alarms are frequently lost.
2. When replacing a battery the Lion Jump Start unit can be used as an alternative power supply by connecting the unit DC extension lead into the cigarette lighter socket.
3. This prevents loss of memory in the systems outlined in paragraph 2.

WARNING: The positive battery cable will be alive and **MUST** be insulated (eg in a heavy duty plastic bag).

Multipurpose Power Supply

1. The Lion Jump Start units can be used as a multipurpose power supply to power up any equipment with a built in 12 volt male adaptor.
2. Used with an inverter, the Lion Jump Start unit can operate equipment usually powered by 240 volts.

NOTE: The inverter draw must not exceed 300 watts.

TROUBLE SHOOTING

THE PROBLEM	THE SOLUTION
You connect to the charger for 20 hours and there is no charge in charge level.	Check charger to see if it is charging. Charger should be warm. Check all wire connections.
Charge level reads low, but when the AC adaptor is plugged into the Lion Jump Start, the needle flicks right.	The internal battery of the Lion Jump Start needs to be replaced.
Lion Jump Start is fully charged but has no power.	Check where the wires meets the jaw on the Lion Jump Start clamp. Make sure they are well crimped.

QUESTIONS & ANSWERS

QUESTION	ANSWER
How many Jump Starts can a fully charged Lion Jump Start do before needing to be recharged.	Between 1 and 20 depending upon operating factors such as temperature, general condition of the vehicle, engine type and size.
What is the ideal in use storage temperature of the Lion Jump Start?	Room temperature. The Lion Jump Start will also operate at temperatures below zero, its power however will be lessened. Intense heat will activate self charge.
I have a regular 10 amp battery charger, can I use it to recharge the Lion Jump Start.	No. Only the supplied adaptor and charger can be used.
Is the Lion Jump Start fool proof?	No. All Jump Start instructions must be followed carefully.

BATTERY REMOVAL & DISPOSAL

REMOVAL :

Note: The Lion Jump Start battery is a sealed, lead-acid type. By law, it must be removed and recycled, or disposed of properly, according to national and/or local regulations.

1. Remove the screws from the rear panel and lift off from the unit enclosure.
2. Disconnect the wires from the two battery terminals, taking care to avoid accidental arcing of the terminals.
3. Lift the battery out of the casing.

DISPOSAL :

1. Take the battery to a recycling centre that handles sealed lead-acid batteries.
2. If there is no recycling centre in the area, contact the local environmental agency for disposal instructions.

ENVIRONMENTAL PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted and then taken to a recycle centre or placed in your recycle bin for disposal of in a matter which is compatible with the environment.

When the product is no longer required, it must be disposed of in an environmentally protective way.