

JUMP *n Carry®*



JNC300XL

**PORTABLE JUMP STARTER/12 VOLT
POWER SOURCE AND FLASHLIGHT**

Thank you for purchasing the best jump-starter unit on the market. Your unit has been equipped with special features to make the jump-starting process easier. To insure trouble-free use, please remember to recharge the unit for 24 hours at least every 3 months during the winter, and monthly during the summer.

Charge unit for 24 hours through AC charger upon opening the box, before using and before long-term storage.



**CONTAINS SEALED LEAD ACID BATTERY.
BATTERY MUST BE RECYCLED.**

Safety Information

Read these instructions completely before using the product and save them for future use. Before using the **Jump-N-Carry®** to jump-start a car, truck, boat or to power any equipment, read these instructions and the instruction manual/safety information provided by the car, truck, boat or equipment manufacturer. Following all manufacturers' instructions and safety procedures will reduce the risk of accident.

⚠ WARNING



EXPLOSION HAZARD: Working around lead-acid batteries may be dangerous. Lead-acid batteries release explosive gases during normal operation, charging and jump-starting. Carefully read and follow these instructions for safe use. Always follow the specific instructions in this manual and on the **Jump-N-Carry®** each time you jump-start using the **Jump-N-Carry®**.

All lead-acid batteries (car, truck and boat) produce hydrogen gas which may violently explode in the presence of fire or sparks. Do not smoke, use matches or a cigarette lighter while near batteries. Do not handle the battery while wearing vinyl clothing because static electricity sparks are generated when vinyl clothing is rubbed.

General precautions for use:

- Always wear eye protection and appropriate protective clothing when working near lead-acid batteries. Do not touch eyes while working on or around lead-acid batteries.
- Never work alone with electrical equipment. Make sure that someone is around to give assistance if you need help.
- Always store, use and charge the **Jump-N-Carry®** in an area where children cannot get to the unit.
- The clamps of the **Jump-N-Carry®** portable jump-start system may cause sparks if touched together. Always keep the clamps secured around the **Grip Lock™** ears to prevent sparking.
- The charger uses household 115 volt electrical supply, which if misused, may cause injury or fire.
- Use the **Jump-N-Carry®** to recharge lead-acid batteries only. Do not use the unit to recharge dry cell batteries.
- Remove jewelry such as rings, bracelets, necklaces and watches when working around a battery. A lead acid battery can produce a short circuit current, which can melt metals and result in a severe burn.
- Do not drop tools or other metal objects on or near the battery as a spark may result, igniting explosive gases.
- Do not jump-start or attempt to recharge a frozen battery.

⚠ WARNING

While the battery in the **Jump-N-Carry®** is a sealed unit with no free liquid acid, batteries being charged with the **Jump-N-Carry®** unit likely contain liquid acids which are hazardous if spilled.

JUMP-STARTING

⚠ WARNING



Failure to follow instructions may cause damage or explosion, always shield eyes. Read entire instruction manual before use.

- Turn ignition off before making cable connections
- Do not touch **RED POS (+)** grip to **BLACK NEG (-)** grip
- Use in a well ventilated area, shield eyes with safety glasses or goggles
- During nighttime use, turn the flashlight on to identify the positive and negative battery terminals
- Connect **RED POS (+)** grip to **POS (+)** battery terminal first and then connect **BLACK NEG (-)** grip to engine ground, a non-moving metal part
- After starting, disconnect **BLACK NEG (-)** grip first
- Always return the jumper cables to the **Grip Lock™** ears after use
- Recharge after use (see charging instructions)

When jump-starting, do not use unit for more than 6 seconds without a 3 minute rest period between uses. See warranty for important details.

Recharge *Jump-N-Carry®* every 3 months in the winter and every month in the summer for 24 hours when not in use with the built in charger.

The Battery Status Panel

LED Display - Press and Hold "Red" Button

- | | | |
|---------|--------------------|----------------------------|
| ■ ■ ■ ■ | 4 lights | Charging complete |
| ■ ■ ■ □ | 3 lights | Good |
| ■ ■ □ □ | 2 lights | Medium |
| ■ □ □ □ | 1 light | Low |
| □ □ □ □ | Flashing | Recharge Unit |
| □ □ □ ■ | <u>Always On</u> | When Charger is Plugged In |

RECHARGING Jump-N-Carry®

- 1) The ***Jump-N-Carry®*** comes with a wall mount charger.
- 2) Plug the wall charger into any AC outlet.
- 3) Plug the charger cord into the Recharge Jack on the front of the unit.
- 4) The right LED will turn on while the charger is plugged into AC power to indicate the unit is charging.
- 5) Suggested recharge times are:
 - Recharge the unit for 3 hours when the unit is used for jump-starting.
 - Recharge the unit for 12 - 24 hours under very high discharge conditions.We do not recommend charging the unit for more than 24 hours under normal usage.
- 6) Press and Hold the "RED" button to check the battery charging status. When the unit is fully charged, all LED's will light.

LED Display - Press and Hold "Red" Button

■ ■ ■ ■ 4 lights Charging complete

□ □ □ ■ **Always On When Charger is Plugged In**

Using the Flashlight

The ***Jump-N-Carry®*** has a built in Flashlight providing hours of light. The portability of the unit makes the ***Jump-N-Carry®*** extremely useful in times of emergency, recreation and general use.

To turn on the light, depress the yellow button. To turn off the light, depress the yellow button. This button also powers the 12 Volt outlet when the flashlight is removed.

Powering 12 Volt Accessories

The ***Jump-N-Carry®*** features a 12 Volt power outlet hidden behind the flashlight. Remove the flashlight (taking care not to misplace or damage it) to expose the 12 Volt outlet. To turn on the outlet, depress the yellow button. To turn off the outlet, depress the yellow button. Plug any accessory up to 12 Amps into the socket and ***Jump-N-Carry®*** will provide power.

If the amperage rating is exceeded, a built-in auto-reset circuit breaker automatically shuts power off until the accessory, or overload source, is removed. Under extreme power usage, recharge the unit for 36-48 hours.

PERFORMANCE AND TEMPERATURE

Performance of your ***Jump-N-Carry®*** will depend upon several factors:

- A good solid connection from the ***Jump-N-Carry®*** grips to the battery and the ground connections are a must. Moving the jumper cable grips back and forth while clamping will help create a better connection.
- Clean connections between your vehicle's battery and the terminals are very important. Corrosion (soft grayish-white build-up) on the battery terminals must be removed. Disconnecting the battery cables and cleaning them and the battery posts with water and baking soda solution is recommended for optimal connection.
- All batteries are affected by temperature changes. The small, lightweight battery inside the ***Jump-N-Carry®*** is more sensitive to storage temperature than a standard automotive battery. Temperatures above 68°F will improve amperage output, while temperatures below 68°F decrease amperage output. Ideal storage temperature is room temperature.

Battery Replacement and Disposal



This unit contains a sealed non-spillable lead acid battery. Battery must be recycled. Consult your state or local governments concerning regulations for proper disposal.

The ***Jump-N-Carry®*** battery may be removed by unscrewing the perimeter screws on the side of the case. Disconnect the wires from the battery terminals. Note the position of the battery and wire locations.

- 2 wire connections go to each terminal.
- The small wires are color coded: red for positive and black for negative.
- The large cable is identified by the color of the grip attached to the cable: red for positive and black for negative.
- All red wires (red grip) attach to the positive side of the battery. All black wires (black grip) attach to the negative side of the battery.

To connect a new battery, slide the battery fully into the case. Note the color of the wires and match the color to the battery terminals.

Questions and Answers

Q. The *Jump-N-Carry*® will not hold a charge?

A. Load test battery. Charge battery 24 hours before load testing. Connect load tester to the *Jump-N-Carry*® grips to check battery amperage. Depending on the model of load tester your load testing procedure may vary. A generic load test would bring the voltage down to 9.0 volts and result in an amp reading of 70 amps for 6 seconds. Repeat this load test every 10 minutes for a total of three tests. If the amperage has dropped below 50 amps on the last test, suspect a bad or weak battery.

Q. What is the ideal use for the *Jump-N-Carry*®?

A. The *Jump-N-Carry*® performs strongly when a vehicle's battery needs an extra boost because a light or radio was left on or if a vehicle has been sitting for a long period of time. The *Jump-N-Carry*® will start vehicles without any other batteries present but the primary use is for an extra boost.

Q. Will the *Jump-N-Carry*® start every vehicle?

A. No. In addition to a dead battery, a car may have other mechanical problems that would prevent the *Jump-N-Carry*® from starting the vehicle.

Q. How often should I recharge the *Jump-N-Carry*®?

A. To maximize battery life, charging after use is recommended. The *Jump-N-Carry*® should not be left in a discharged state. The battery in the *Jump-N-Carry*® has no "memory problems" and should not be treated as a rechargeable tool (cordless drills, camcorders, etc.).

Q. How many jump-starts can I get from the *Jump-N-Carry*® before recharging?

A. A large number of factors affect this answer, including the following: how long does each jump-start take, how low was the original battery, how long between jump-starts, temperature of the vehicles being jump-started (cold winter weather makes for difficult starting), size of the engines (4 cycl, 6 cycl, etc.), mechanical condition of the engine and starter, and more. These factors all must be weighed on an individual basis before an accurate answer can be given. It's feasible to get 10-30 starts (individual's results will differ) from a single charge, but this contradicts the rule of immediate charging after use.

Q. After jump-starting, can I leave the unit hooked to the battery to recharge the *Jump-N-Carry*® while the engine is running?

A. **NO.** Attempting to recharge the *Jump-N-Carry*® by this method is not recommended. Vehicle alternators output anywhere from 25 - 125 amps. This charging rate greatly exceeds the recommended recharging rate for the *Jump-N-Carry*®. Charging by this method will result in overcharging the *Jump-N-Carry*® battery and may void the battery warranty.

Express Service and Repair

Express Service and Repair will quickly diagnose a problem with your ***Jump-N-Carry®***. To obtain the fastest and most efficient repair of your unit, perform the following steps:

- 1) If the unit will not jump-start, recharge the unit for 24 hours.
- 2) If a part is broken or needs replacement, call Express Service for express part delivery.

All warranty claims must be accompanied by a dated sales receipt.

You will be responsible for all insurance and freight or other transportation charges to the factory or point of repair. We will return your unit freight prepaid if the repair is covered under warranty. Your ***Jump-N-Carry®*** should be properly packed to avoid damage in transit since we will not be responsible for any such damage.

**Express Service
call
(800) 328 2921**

**Jump-N-Carry
Warranty Service Department
8600 N.E. Underground Dr.
Pillar 248
Kansas City, MO 64161**

JUMP *n Carry*® **JNC300XL**

Limited Warranty

Clore Automotive warrants your ***Jump-N-Carry***® to be free from defects in material and workmanship, excepting abuse or misuse, for a period of 1 year from the date of sale to the original user or consumer purchaser. If your ***Jump-N-Carry***® malfunctions or fails within the warranty period, return it to your place of purchase, complete with your dated sales receipt, for an over-the-counter exchange. You may also ship the unit to us for warranty at the address on the previous page.

This warranty excludes and does not include malfunctions or failure of your ***Jump-N-Carry***® which were caused by repairs made by an unauthorized person, mishandling, modifications, normal wear, unreasonable use or damage to the ***Jump-N-Carry***®.

*This warranty is in lieu of all other express warranties. The duration of any implied warranty, including by not limited to any implied warranty of merchantability or fitness for a particular purpose, made in respect to your ***Jump-N-Carry***® is limited to the period of the express warranty set forth above.*

In no event shall Clore Automotive be liable for consequential or incidental damages. Some states do not allow limitations on the length of the implied warranty or the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

WARNING: This product contains chemicals, including lead, known to the State of California to cause Cancer and birth defects or other reproductive harm. ***Wash hands after handling.***