

ACCU-JOGGER 6 volt + 12 volt version

Instructions for use in English

DEAR CUSTOMERS,

Thank you and congratulations on purchasing your new ACCU-JOGGER. Please read the instructions for use completely before starting. By doing so, you will avoid errors and the need for repair.

!! IMPORTANT SAFETY INDICATIONS !!

- a) The ACCU-JOGGER must only be used for the purpose described in these usage instructions!
- b) Suitable only for rechargeable lead accumulators (maintenance-free as well)!
- c) Not for operation in frost conditions or where there is danger of frost, as this can lead to the formation of condensation!
- d) Look after the device, keep away from oils, greases, dyes, solutions, water and all items that could get into the casing ventilation!
- e) Do not block the casing ventilation with cloths, cartons, etc!
- f) In the event of visible damage, e.g. smoke, faulty cabling, infiltration by liquids or other substances (see d), immediately detach all supply lines and send the device to your specialist dealer!
- g) Always store the device in a dry place in its original packaging!
- h) Risk of accumulator acid! / Risk of short-circuit / Risk of reverse polarity!
The safety indications of the manufacturer concerned must be closely observed when working with the lead accumulator. In the event of accumulator acid coming into contact with the skin, in particular with the eyes, rinse immediately with clean water and consult a doctor.
- i) Connect only one (1) ACCU-JOGGER to each one (1) intact lead accumulator, which must be subjected to an inspection for defects beforehand!
- j) Always disconnect the device from the lead accumulator prior to starting the engine!
- k) Never connect the device to the lead accumulator of a running engine!
- l) Risk of electric shock from opening the ACCU-JOGGER: DO NOT open the unit, keep away from children!

1. INTENDED USE OF THE ACCU-JOGGER

- a) Voltage maintenance for rechargeable 6 volt and/or 12 volt lead accumulators (maintenance-free as well).
- b) Charging of rechargeable 6 volt and/or 12 volt lead accumulators (maintenance-free as well).

2. MODE OF OPERATION OF THE ACCU-JOGGER

The ACCU-JOGGER charges the lead accumulator with a constant current up to the maximum permissible cell voltage. Detachment of the inspection plug is not necessary. On reaching the cell voltage, the ACCU-JOGGER switches over from "CHARGE" to "DISCHARGE", as a result of which the lead accumulator is now actively discharged. The current drawn here corresponds to the energy consumption of a small light bulb. At a defined changeover point, the charge process begins once again, i.e. the device switches over from "DISCHARGE" to "LOAD". In this way, the lead accumulator is never overcharged or totally discharged. The charge status of the accumulator is constantly monitored electronically.

The engine remains always ready-to-run even at the end of the discharge phase.

3. INSPECTING THE LEAD ACCUMULATOR BEFORE INITIATING THE ACCU-JOGGER

The lead accumulator must be intact. This you can test as follows:

- a) The voltage of the lead accumulator must amount to at least 4V in the case of 6 Volt accumulators and 8V in the case of 12 Volt accumulators.
- b) The acid density should have a value greater than 1.20g/cm³.
- c) The filling amount of the lead accumulator must be correct, if necessary fill up with distilled water. Accumulator acid is highly corrosive - do not allow contact with skin or clothing!

4. CONNECTING AND INITIATING THE ACCU-JOGGER

- a) Switch off all other consumers of current, such as radio, alarm system, telephone or alternatively remove the lead accumulator. In doing so the safety indications provided by the vehicle and battery manufacturers must be observed.

- b) Connect the plug supply unit of the ACCU-JOGGER to a 230V socket. Establish beyond doubt that the socket is actually carrying a constant current.
- c) Connect the ACCU-JOGGER to the lead accumulator. Attach the red clip to the positive pole (+), and the black clip to the negative pole (-). NEVER mix up the connections, not even on a test basis.
- d) Do not wrap up the ACCU-JOGGER in cloths or carton etc during operation. Air must be able to circulate freely around the casing opening.

5. THE ACCU-JOGGER IN NORMAL OPERATION

The device starts the cyclical charge and discharge process automatically. Depending on the charge status of the accumulator, the ACCU-JOGGER begins here either to charge or to discharge. A complete charge/discharge cycle can take a few minutes in the case of small batteries, or several days in the case of large batteries. Charge and discharge times can vary.

If the lead accumulator is discharged, then the ACCU-JOGGER quickly switches initially from "CHARGE" to "DISCHARGE". This cycle extends, until finally the green LED indicates a constant charge phase, which can continue for several days.

If the cycle does not become longer, then the battery no longer has sufficient capacity and must soon be replaced.

Important: check the acid level of the lead accumulator every 8-12 weeks.

Troubleshooting indication: if, when the device is connected, the charge/discharge cycle still does not begin, please check the following points:

- a) Does the socket carry a current?
- b) Is the lead accumulator defective or totally discharged? (See 3.)
- c) Is the ACCU-JOGGER reverse-connected? (Correct: RED=PLUS, BLACK=MINUS).

6. FINISHING THE CHARGE OPERATION

- a) Detach the connection clips of the ACCU-JOGGERS from the lead accumulator.
- b) Withdraw the plug supply unit from the socket.
- c) Check the acid level of the lead accumulator and, if necessary, fill up with distilled water.
- d) If necessary, install and connect the lead accumulator in the vehicle again. The safety indications provided by the vehicle and battery manufacturers must be observed in the process.
- e) Store the device in its original packaging in a clean and dry location.

7. TECHNICAL DATA

	6V version	12V version
Max. charging current :	200mA	300mA
Max. discharging current:	100mA	100mA
Lead accumulator capacity:	6V / 5-100AH	12V / 10-250AH
Supply voltage :	220V-240V / 50/60Hz / 7 watt (max)	
Special feature :	short circuit resistant	

8. CONDITIONS OF WARRANTY

Your device was manufactured in accordance with the most progressive industry standards and underwent repeated quality control testing and a measuring test. We grant a 24-month warranty from the date of sale. Should defects arise in this period as a result of structural flaws, these will be remedied for you free of charge by repair.

Right to claim under warranty

Recognition of a right to claim under warranty is the sole responsibility of the manufacturer. All rights to claim under guarantee cease to exist immediately in the case of undesirable interference, mechanical damaging or damage as a result of improper handling.

Services under warranty can be granted and performed only by the manufacturer.

Repair period

for the repair of a device under warranty generally amounts to 20 working days.

Claims for compensation

of all kinds, in particular as a result of consequential damages, are excluded. Liability in all cases is confined only to the value of our product.

In the event of damage

In the event of a defect, you must present the device to your specialist dealer in its original packaging along with a copy of the receipt, a written description of the fault (important!!) and your complete address. The device can also be sent FREE (i.e. sender pays postage!) to your dealer. Freight forward shipments will not be accepted. The device will be forwarded to the manufacturer on your behalf and returned to you carriage-free, if there exists a legitimate right to claim under warranty.

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Subject to alteration without advance notice.