

Instruction manual

HP – Battery trainer

Art.-No. 20.817

For optimal use, please read these instructions with care.

Instructions

- The battery trainer is intended solely for the purposes indicated.
- Do not use in freezing or misty conditions in order to prevent oxidation.
- Never cover the battery trainer.
- Store the battery trainer in a dry environment, in its original packing.
- The battery trainer may only be used on chargeable batteries.
- Never connect the battery trainer to a damaged battery.
- Check the condition of the battery before connecting the battery charger.
- Never connect the battery trainer while the engine is running; do not start the engine while the trainer is connected to the battery.

What to do in the event of problems

- If you identify damage, such as the development of smoke, the penetration of fluids etc., disconnect the appliance immediately.
- Do not open or attempt to repair the battery trainer; this will nullify all guarantees.
- Keep out of reach of children.
- In the event of a defect, return the battery trainer and proof of purchase to the point of sale.
- Be careful to avoid wrongly connected terminals, short circuiting and battery acid. Always stick to the safety precautions specified by the battery manufacturer!
- If you do come into contact with battery acid, rinse immediately with large amounts of water and call a doctor.

Purpose of use

- Keeping the 12 V battery in optimal condition, by means of charging and discharging.

Connecting the battery

- Battery voltage must be at least 9 volt.
- Check the battery acid and refill with distilled water if necessary (follow battery manufacturer specifications).
- Attention! Battery acid is highly corrosive, so avoid contact with copper clamps, textile or lacquered surfaces.
- The acidity level should be at 1,20 g/cm³

Connecting the appliance

- Switch off the engine and make sure everything is switched off, including the car stereo, lights, air-conditioning, phone etc., or disconnect the battery. Follow the instructions and safety precautions specified by the battery manufacturer or car dealer at all times.
- Plug the adapter into the 230 V wall socket.

- First connect the red clamp to the battery's (+) terminal, followed by connecting the black clamp to the battery's (-) terminal. Important: Never connect the wrong clamp to the wrong terminal and make sure never to attach clamps to parts of the car body or engine.
- Make sure you charge the battery in a well-ventilated space.

Charging and discharging

- The appliance will start automatically and determine when to charge or discharge of its own accord. Smaller batteries will be charged or discharged in no time. Larger batteries may take a little longer.
- The battery trainer will automatically charge or discharge your battery, keeping it in optimal condition.

Ending the charging or discharging process

- Start by removing the red clamp from the battery, then remove the black clamp.
- Attach the clamps to the cardboard box, making sure the two clamps do not touch one another in order to avoid sparks. Finally remove the adapter plug from the wall socket.
- Determine the acidity level. If the battery condition is poor, top up with distilled water. Follow the manufacturer's instructions.

Technical specifications

Max. charging capacity:	300 mA
Max. discharging capacity:	100 mA
Battery:	12 V / 10 – 250 AH
Mains voltage:	230 V / 50 – 60 Hz, 7 W (max.)

Product description

This product is intended to keep the car battery in good condition, simulate actual driving and was designed for use with 12 V 10-250 AH batteries. Your battery is guaranteed to start every time. Easy to use. Automatic charging and discharging ensure your battery is ready to start when you need it. The battery is constantly fed by the trainer, which never exceeds the maximum voltage. As soon as the maximum voltage is reached, the trainer will automatically switch to discharge mode. The engine can also be started at the end of the discharge phase.

In case of problems, please check

- Does the wall socket provide current?
- Is the battery working properly?
- Is the battery trainer properly connected to the + and the -?

Guarantee

For these unit we will grant you a guarantee of 24 month since date of the bill. For the proof of the guarantee claim we need a copy of the bill. Damages, which will be caused of natural abrasion, overloading or improperly usage, will be barred from the guarantee, also wear parts. Complaints will only be accepted if the unit will be, unopened and without any freight costs, send back to the supplier.



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