



Model No: EC-4000-USB

# e-CHARGE™

## Emergency Car Starter

**This Schumacher Emergency Car Starter is designed to start a weak automotive or power sport 12 volt battery.**

This Emergency Car Starter is intended for use on 4-, 6- and 8-cylinder gas-powered cars and light trucks. *Do not use on 6 volt or 24 volt electrical systems or diesel-powered vehicles.* This Emergency Car Starter is designed to work if the vehicle's starter clicks or the engine turns over too slowly to start. This product is not designed to start a vehicle with a heavily discharged battery or for use on vehicle batteries that are shorted or sulfated; these will not hold a charge and will need to be replaced. See a professional technician.

### Other uses include:

- Provides backup power for equipment such as cell phones, PDAs, CD players, digital cameras, etc.
- Provides power to USB devices.

00-99-000568/0706

## **USING THE SCHUMACHER EC-4000-USB EMERGENCY CAR STARTER AS A 12V DC POWER SOURCE**

The Emergency Car Starter has a 12V DC accessory outlet located behind the right cap. This port has a positive center terminal. Most 12V DC accessories have this configuration. Do not use the accessory if it does not have a positive center pin. NEVER plug the Emergency Car Starter's male adaptor plug into the 12V accessory outlet on the right side of the Emergency Car Starter.

## **USING THE EMERGENCY CAR STARTER AS A USB POWER SOURCE**

The Emergency Car Starter has a 5V DC USB power outlet located on the back of the case. This USB outlet can power devices that require less than 500mA of power. NEVER plug this USB outlet directly into a computer USB outlet or damage to both devices could result.

To activate the USB power port, depress the CHARGE CAR BATTERY switch on the front of the unit. When finished using the USB power port, press the CHARGE CAR BATTERY switch to the OFF position (button up) before storing the EC-4000-USB.

## **STARTING A VEHICLE WITH A WEAK BATTERY:**

**Important:** Turn your ignition key, lights, radio, etc., to OFF position before connecting the Emergency Car Starter, as it will drain the EC-4000-USB's power:

1. With the CHARGE CAR BATTERY button in the OFF position (button up), connect the EC-4000-USB's male plug to the vehicle's 12V DC accessory outlet.

2. The INTERNAL BATTERY CHARGING LED and the LED on the starter's male plug should illuminate red. If these LEDs do not light, turn the car ignition key to the Accessory (ACC) position. If the LEDs still do not light, check for a faulty fuse in the male plug or in the vehicle's fuse panel. Replace with the same size and amp rating.
3. Depress the CHARGE CAR BATTERY button to begin the charging cycle. The CAR BATTERY CHARGING LED will illuminate red and the INTERNAL BATTERY CHARGING LED will turn off. If the radio, fan, interior lights or headlights come on, TURN THEM OFF IMMEDIATELY.
4. Charge for at least 10 minutes, or until the green LED lights, before trying to start the car. Attempt to start the car but if the car only clicks or turns over slowly, continue to charge the car until the CAR BATTERY CHARGING LED illuminates green or a total charging time of 20 minutes has been reached. At this time attempt a second car start.
5. When the car starts, press the CHARGE CAR BATTERY switch to the OFF position (button up).
6. Disconnect the male plug from the vehicle's 12V DC accessory outlet.
7. Recharge the Emergency Car Starter as soon as possible.

## **RECHARGING THE EMERGENCY CAR STARTER**

The EC-4000-USB comes uncharged. We recommend you charge it immediately. Recharge after every use and every month if not used. There are two ways to recharge:

### **A. Charging the EC-4000-USB's internal battery with the AC wall charger:**

1. Plug the AC wall charger's adaptor into the charger receptacle on the back of the starter.
2. Plug the wall charger into a 120V AC electrical wall outlet. The INTERNAL BATTERY CHARGING LED will illuminate red.
3. Wait 12 hours when charging for the first time. Subsequent charges will be complete when the INTERNAL BATTERY CHARGING LED illuminates green. **Note:** The AC wall charger does NOT automatically shut off. Monitor the charge time and be sure to disconnect the rear charger jack when finished recharging the EC-4000-USB.

### **B. Charging the Emergency Car Starter in the vehicle:**

1. After the vehicle is running and the CHARGE CAR BATTERY switch is in the OFF position (button up), simply plug the EC-4000-USB's 12V DC male adaptor plug into the vehicle's 12V DC accessory outlet. When the INTERNAL BATTERY CHARGING LED glows, the unit is being recharged by the vehicle. Do not leave the EC-4000-USB connected to the vehicle's 12V DC accessory outlet when the vehicle's engine is NOT running; the EC-4000-USB may discharge the vehicle's battery.

**FUSE:**

The EC-4000-USB comes with a 12A fast-blow fuse located in the end of the male adaptor plug. Replace only with a fuse of the same size and rating. To replace the fuse simply un-screw the metal tip of the male plug.

**ACCESSORY OUTLET OUTPUT:** 12V DC 5 Amp maximum.

**USB OUTLET OUTPUT:** 5V DC 500mA maximum.

**STORAGE:** WHEN NOT IN USE, STORE IN AN AREA WHERE THE TEMPERATURE RANGE IS BETWEEN 0–40°C (32–104°F).

THE MALE ADAPTOR PLUG AND CABLE SHOULD BE STORED INSIDE THE COMPARTMENT TO PREVENT ACCIDENTAL DAMAGE. DO NOT USE THE CHARGER IF THE CABLES OR PLUGS HAVE BEEN DAMAGED.

IT IS NORMAL FOR STARTER TO BECOME WARM DURING OPERATION AND CHARGING.

THIS DEVICE CONTAINS A SEALED LEAD-ACID BATTERY AND MUST BE DISPOSED OF PROPERLY. CONTACT YOUR LOCAL RECYCLING CENTER FOR DISPOSAL INFORMATION.

Made in China.

## LIMITED WARRANTY

SCHUMACHER ELECTRIC CORPORATION  
801 BUSINESS CENTER DRIVE  
MOUNT PROSPECT, ILLINOIS 60056-2179

MAKES THIS LIMITED WARRANTY TO THE ORIGINAL PURCHASER AT RETAIL OF THIS PRODUCT. THIS LIMITED WARRANTY IS NOT TRANSFERABLE.

Schumacher Electric Corporation warrants this battery charger for 90 days from date of purchase at retail against defective material or workmanship. If such should occur, the unit will be repaired or replaced at the option of the manufacturer. It is the obligation of the purchaser to forward the unit together with the original sales receipt, transportation and/or mailing charges prepaid to the manufacturer or its authorized representative.

For warranty service, return your EC-4000-USB to:  
Schumacher Electric Corp., Warranty Service Department  
1025 E. Thompson, Hoopeston, IL 60942-0280.

Questions? Call: Customer Service: 800-621-5485  
7 a.m. - 5 p.m. CST, Monday through Friday.

This limited warranty is void if the product is misused, subjected to careless handling, or repaired by anyone other than the manufacturer or its authorized representative.

The manufacturer makes no warranty other than this limited warranty and expressly excludes any implied warranty including any warranty for consequential damages.

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