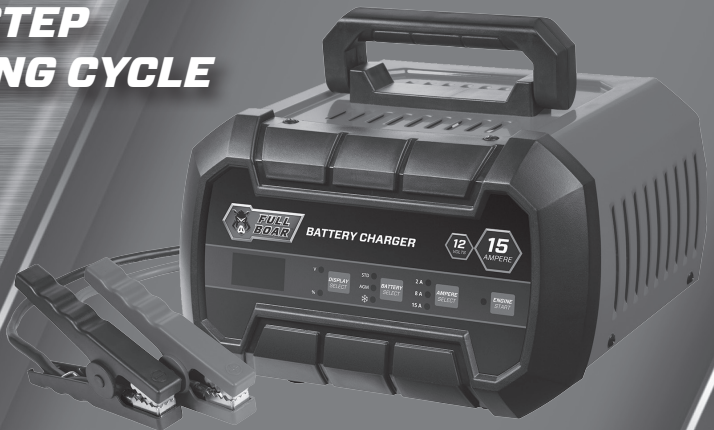




# 12V 15AMP BATTERY CHARGER

- MICROPROCESSOR CONTROLLED CHARGER
- UNIVERSAL BATTERY SUITABILITY
- MULTI-STEP CHARGING CYCLE



## INSTRUCTION MANUAL



**WARNING:** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

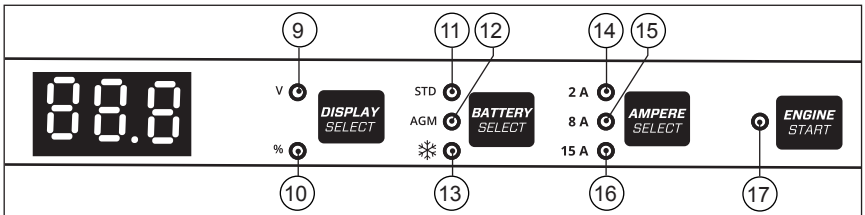
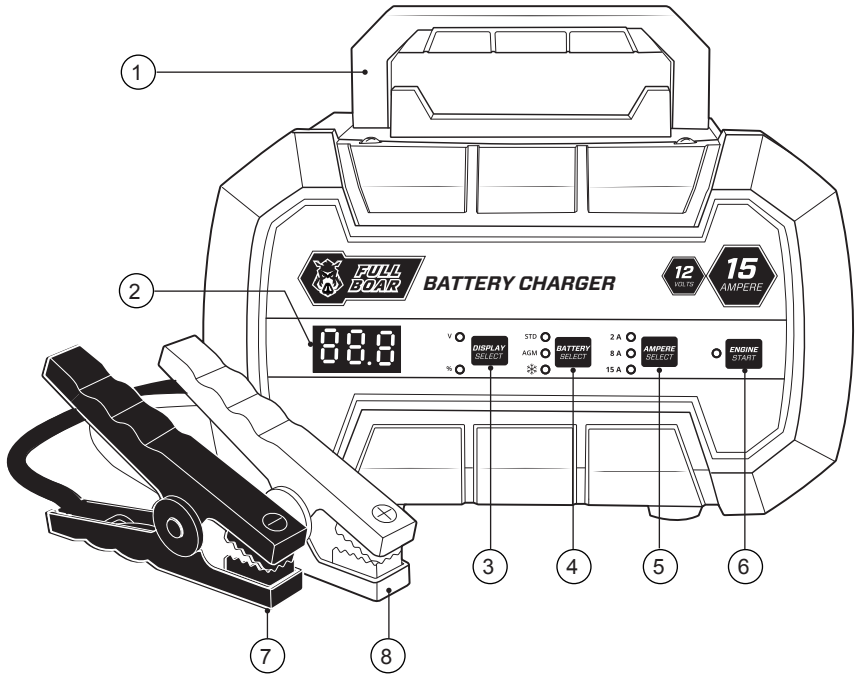
## SPECIFICATIONS - MODEL NO. FBCBC-1500

<b>Input voltage:</b>	220-240V ~50Hz
<b>Input power:</b>	280W max.
<b>Output:</b>	12V DC, 2.7A/8A/15A
<b>Battery capacity:</b>	3 - 300Ah
Rated output current 2A:	2.7A
Battery capacity 2A:	3 – 60Ah
Rated output current 8A:	8A
Battery capacity 8A:	20 – 160Ah
Rated output 15A:	15A
Battery capacity 15A:	30 – 300Ah
<b>Boost engine output:</b>	100A 5 seconds
<b>Miniature fuse:</b>	T 5A
<b>Ambient temp.:</b>	-20°C – 40°C
<b>IP rating:</b>	IP20
<b>Weight (tool only):</b>	7.5kg

## KNOW YOUR PRODUCT

1. Carry handle
2. LCD screen
3. Display select button
4. Battery select button
5. Ampere select button
6. Engine start button
7. Black negative terminal clamp (-)
8. Red positive terminal clamp (+)
9. Battery voltage LED
10. Battery charge level LED
11. Charging a standard battery / gel battery LED
12. Charging an AGM battery LED
13. Charging a standard / gel / AGM battery in winter mode LED
14. Charging a battery at low current strength LED
15. Charging a battery at moderate current strength LED
16. Charging a battery at high current strength LED
17. Jump start function is switched on LED

# KNOW YOUR PRODUCT (cont.)



## LCD Screen

- 0.0** a) No battery connected.  
b) Battery voltage below 3V.  
The battery is either unsuitable for charging or is defective.
- Lo** Battery in active mode.
- FUL** Battery fully charged.  
Disconnect the charger from the battery.

- Err** Battery wrongly connected (+/-- confused) or short circuit at the terminals.  
Disconnect the charger from the battery and start the charger process from the beginning again.
- Bat** Battery defective.  
Disconnect the charger from the battery.
- StA** Jump start function is switched ON

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## INTRODUCTION

Congratulations on purchasing a Full Boar 12V 15AMP Battery Charger.

Your Full Boar 12V 15AMP Battery Charger FBCBC-1500 has been designed for charging low maintenance and maintenance-free 12V lead-acid batteries (wet / Ca/Ca / EFB) and for lead gel and AGM batteries which are used in motor vehicles. Read and understand the Owner's Manual before operating the 12V 15AMP Battery Charger. Failure to do so could result in personal injury or equipment damage.

## SAFETY INSTRUCTIONS



**WARNING!** When using mains-powered equipment, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

Read and understand the manual prior to operating this tool.

Save these instructions and other documents supplied with this tool for future reference.

The manufacturer cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety information.

## ELECTRICAL SAFETY

The tool has been designed for 230V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

**Note:** The supply of 220V and 240V is interchangeable for Australia and New Zealand.

If the supply cord of this power tool is damaged, it must be replaced by a specially prepared cord available through the service organization.

### Using an Extension Lead

Always use an approved heavy duty extension lead suitable for the power input of this tool. Before use, inspect the extension lead for signs of damage, wear and ageing. Replace the extension lead if damaged or defective. When using an extension lead on a reel, always unwind the lead completely. Use of an extension lead not suitable for the power input of the tool or which is damaged or defective may result in a risk of fire and electric shock.

# GENERAL POWER TOOL SAFETY WARNINGS



**WARNING!** Read all safety warnings and instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "Power Tool" in all of the warnings listed below refers to your mains operated (corded) power tool or battery operated (cordless) power tool.

## SAVE THESE INSTRUCTIONS

### 1. Work area safety

- a. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- c. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### 2. Electrical safety

- a. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- b. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- c. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- d. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
- e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

### 3. Personal safety

- a. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- b. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- d. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- f. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.
- g. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- h. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

## GENERAL POWER TOOL SAFETY WARNINGS (cont.)

### 4. Power tool use and care

- a. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
- b. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- e. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
- f. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- g. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- h. **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

### 5. Service

- a. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- b. **If the supply cord is damaged,** it must be replaced by an electrician or a power tool repairer in order to avoid a hazard.

# CAR BATTERY CHARGER WARNINGS



**The item is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.**

**Young children should be supervised to ensure that they do not play with the appliance.**

- Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.
- This charger is not intended for any uses other than charging 12V lead acid and for lead gel and AGM batteries which are used in motor vehicles. Do not attempt to use on other voltages and types of batteries.
- Danger! Do not charge any frozen batteries.
- Please ensure that the vehicle is turned off completely before charging the battery.
- Do not pull the cord when disconnecting charger.
- Never attempt to disassemble the battery charger.
- To charge the battery outside the vehicle, make sure it is in a safe stable location with adequate ventilation.
- Do not place the battery charger on top of the battery when charging.
- The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse.

## **Risk of Fire & Deflagration**

- Do not use chargers in environments where explosions may occur, such as in environments with ignition sources, flammable vapours, gases, dust or similar.
- Do not use chargers with damaged cord or plug.
- Route the terminal clamps so that they cannot be caught by rotating parts in the engine compartment.
- Do not short circuit the chargers.
- Do not shorten or extend the chargers.
- Do not wear clothing made of synthetic materials during charging. They could generate sparks due to electrostatic charge.

## **Risk of Explosion & Chemical Burns**

- Do not charge a battery if it is cracked or damaged.
- Do not lean over the battery. The electrolyte from the discharged battery is also liquid at low temperatures.
- Wear protective gloves and safety glasses when working on the battery.
- Do not allow battery acid to make bodily contact. In the event of contact with battery acid immediately flush the applicable areas with plenty of clean water and consult a doctor.
- Car batteries discharge hydrogen gas, which may ignite from flying sparks. Ensure that the clamps are connected in the correct order to reduce the risk of sparks.
- Only charge the battery in a well-ventilated area to ensure toxic exhaust gas does not build up.
- Remove any vent caps on non-maintenance free batteries – be very careful as battery acid is highly corrosive.
- Do not connect black terminal clamps to dead/flat battery.
- Never smoke, use an open flame or create sparks near the battery charger whilst charging as gases may cause an explosion.
- Remove all metal jewellery, including watches and rings. Use insulated tools to avoid shorting the battery.



# JUMP STARTER SAFETY WARNINGS



**WARNING!** Save all warnings and instructions for future reference.



**WARNING!** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

1. Do not attempt to jump start more than 3 times. If the 3rd jump start attempt is unsuccessful, the jump start function is unable to provide sufficient assistance for the battery in the jump start process.
2. The poles on the vehicle battery must be clean and the clamps of the jump start cable must be securely attached to the battery poles.
3. Do not connect the clamps of the jump start cable together during jump starting – Short circuit.
4. At very low temperatures a number of jump start attempts may be required before the car starts up.
5. If you carry out any work in the engine bay of a vehicle, watch out for rotating and moving parts.
6. During jump starting, it is imperative not to wear any items of clothing made of synthetic materials in order to avoid spark formation caused by electrostatic discharge.
7. Only grasp clamps by the insulated surfaces.
8. Make sure the vehicles are in either Neutral (Manual) or Park (Auto) with the hand brake on.
9. Do not leave either engine running unattended.
10. Keep away from children as they could potentially strangle or injure themselves.
11. Keep children away from work area
12. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. Caution is necessary when near coil, spark plug cables, or distributor of running engine. Engine should be off during distributor adjustment.

## **RISK OF FIRE & DEFLAGRATION**

- Do not use the jump starter in environments where explosions may occur, such as in environments with ignition sources, flammable vapours, gases, dust or similar.
- Ensure that the jump start cable is not damaged.
- Do not short circuit the jump starter.
- Do not shorten or extend the jump start cable.
- Do not wear clothing made of synthetic materials during charging. They could generate sparks due to electrostatic charge.

## JUMP STARTER SAFETY WARNINGS (cont.)

### RISK OF EXPLOSION & CHEMICAL BURNS

- Do not start a battery if it is cracked or damaged.
- Do not lean over the battery. The electrolyte from the discharged battery is also liquid at low temperatures.
- Wear protective gloves and safety glasses when working on the battery. Do not touch damaged or leaking cells. Consult SDS if contact has been made.
- Do not allow battery acid to make bodily contact. In the event of contact with battery acid immediately flush the applicable areas with plenty of clean water and consult a doctor.
- Never jump start a vehicle if the battery is frozen as the battery may explode. If the sides of the battery is bulged, it is likely frozen.
- Car batteries discharge hydrogen gas, which may ignite from flying sparks. Ensure that the jump start cable is connected in the correct order to reduce the risk of sparks.
- Only run the engine in a well-ventilated area to ensure toxic exhaust gas does not build up.
- Remove any vent caps on non-maintenance free batteries – be very careful as battery acid is highly corrosive
- Only use jump starter as prescribed in the manual.

Avoid flames and sparks. Explosive gas is released from the car battery during jump starting. If you smell an acrid odour of gas, there is an acute danger of explosion. Ventilate the room immediately and thoroughly.

Refer to the instructions issued by the car battery manufacturer.

Refer to the information and instruction issued by the vehicle manufacturer.

### RISK OF ELECTRICAL SHOCK

- Ensure the ignition switch is in the OFF position on the vehicle while connecting leads.
- Do not use the jump start cable if it shows signs of wear or damage.
- Turn off the lights and power draining functions (such as the stereo and interior light) to help ease the strain off the charged battery
- Ensure that the terminal clamps do not touch. Contact between live connections may result in sparks, electrocution, fire, severe personal injury or even death.
- Ensure that there is no contact between the bodies of the vehicles and that no such contact occurs. Vehicles in contact with each other could establish a ground connection and result in personal injury to the user or bystanders.
- When disconnecting the clamps, ensure that the two clamps do not come into contact with the rotating parts of the engine compartment.
- Do not expose jump starter to rain or wet conditions.

### Automatic charging (STD, AGM, Winter charging programs only)



**WARNING!** Read and understand the warnings before setup and charging.



**WARNING!** Do not use for charging lithium ion phosphate rechargeable batteries (e.g. LiFeP04) or other lithium rechargeable batteries.

The battery charger is a microprocessor controlled automatic charger, it is suitable in particular for charging maintenance-free batteries and for the long-term charging and maintenance charging of batteries which are not in constant use, e.g. for classic cars, recreational vehicles, lawn tractors and alike. The integrated microprocessor enables charging in several steps. The final charging step, maintenance charging, maintains the battery capacity at 95–100% and therefore keeps the battery fully charged at all times. The charging operation does not need to be monitored. However, do not leave the battery unattended if you charge it over an extended period of time, so that you can disconnect it from the mains power supply in the event of a fault in the charger.

The battery charger is designed for mobile use only and not for installation in caravans, mobile homes or similar vehicles. The battery charger cannot be used as a buffer power supply, e.g. while changing a battery. Do not expose the charger to rain or snow.

If the 12V starter battery is weak, the jump start process can be assisted by the jump start function. The jump start function cannot be used if the starter battery is discharged (indicated by Lo) or faulty (indicated by "BA<sub>t</sub>") or there is no starter battery.

All batteries have a limited service life that depends on how the battery is maintained, among other things. Below 10.5V a vehicle battery (lead battery) is regarded as exhaustively discharged and may suffer irreversible damage if stored for a long period. The charger is unable to charge batteries that are damaged or defective (e.g. cell short circuit).



**WARNING!** Not for recharging non-rechargeable batteries.

## SETUP (cont.)

### Calculating the charging time

The charging time depends on the charge status of the battery. If the battery was discharged but is chargeable (not exhaustively discharged, "Lo" displayed, or defective), the approximate charging time up to approx. 80% (fig. 1)

Ah	80%
30	2 h
75	5 h
150	10 h
300	20 h

Fig. 1

Charging can be calculated using the following formula: (fig. 2).

**Note:** The charging current should be 1/10 to 1/6 of the battery capacity.

$$\text{Charging time/hours} = \frac{\text{Battery capacity in Ah}}{\text{Amperes (charging current)}}$$

Fig. 2

### Charging programs

#### STD:

Charging program for lead acid batteries (wet, Ca/Ca, EFB batteries) and gel batteries. The "STD" LED (11) illuminates the first time the charger is used.

#### AGM:

Charging program for AGM batteries. Press the Battery select button (4) to switch from the STD to the AGM charging program.

#### Winter:

Recommended charging program (higher end-of-charge voltage) in cold weather (ambient temperature -20 °C - +5 °C) for normal lead acid batteries (wet / Ca/Ca batteries) and AGM batteries. Press the Battery select button (4) to switch from the AGM to the "Winter" charging program.

## SETUP (cont.)

### Charging program notes:

- When connecting the charger to the mains power outlet, all the LEDs will flash briefly.
- If the voltage of the battery is below 3V, it cannot be charged.
- Press the Battery select button (4) to select the battery types or winter mode. The corresponding LED (11,12, or 13) illuminates.
- The maximum charging current strength can be set by pressing the Ampere select button (5). The LED corresponding to the charging current strength (14,15, or 16) illuminates.
- The battery is charged in an automatic process consisting of not more than 6 charge settings, depending on the available battery voltage.
- The actual charging current depends on the charge setting the charger is currently in, and may be less than the set max. charging current.

### Overload cut-out

The battery charger is equipped with electronic protection against overload, short circuit and swapped poles. A short circuit on the terminals or swapped poles (+/- terminals at the battery poles the wrong way round) and the LCD screen (2) will show "**ERR**".

## Connecting to a vehicle battery

Before charging make sure the battery terminals are really clean as grease and dust could lead to poor connection. The battery **MUST** be disconnected prior to cleaning. Check the battery and connections for any cracks or damage before proceeding with cleaning and charging. To help ensure a good connection of the battery charger terminal clamps, clean the battery terminals with a solution of baking soda and water, and wipe the battery terminals with a cloth to remove any dirt and grease.



**WARNING!** If the battery is still fitted to a motor vehicle, make sure that all the electronics are turned off, and that the ignition is turned off.

1. With the vehicle engine not running, connect the red positive terminal clamp (8) to the positive (+) pole on your vehicle 12V battery (fig. 3).

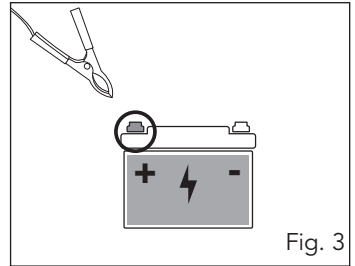


Fig. 3

2. Connect the black negative terminal clamp (7) to an unpainted piece of metal on the bodywork away from the battery (fig. 4).

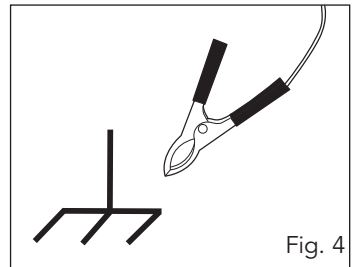


Fig. 4



**WARNING!** Under normal circumstances the negative battery pole is connected to the bodywork and you proceed as described above. In exceptional cases it is possible that the positive battery pole is connected to the bodywork (positive earthing). In this case, connecting the black negative terminal clamp (7) to the negative pole on the battery. Then connect the red positive terminal clamp (8) to the bodywork at a point away from the battery.

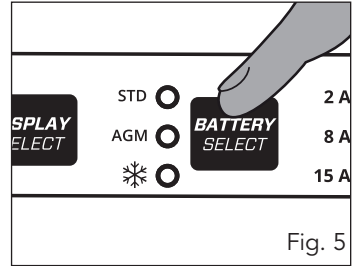


**WARNING!** The battery terminal not connected to the chassis has to be connected first. The other connection is to be made to the chassis, remote from the battery and fuel line. The battery charger is then to be connected to the supply mains.

## OPERATION (cont.)

3. Connect the charger to a mains power socket. All the LEDs will flash briefly.
4. Press the Battery select button (4) to select the battery types or winter mode (fig. 5). The battery will be charged using the program selected.

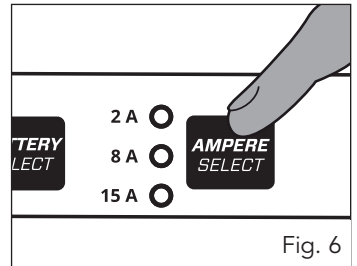
**Note:** The LED corresponding to the battery type or winter mode (11,12, or 13) illuminates.



5. Press the Ampere select button (5) to select the maximum charging current strength (fig. 6). The battery will be charged using the ampere selected.

**Note:** The LED corresponding to the charging current strength (14,15, or 16) illuminates.

**Note:** The actual charging current depends on the charge setting the charger is currently in, and may be less than the set maximum charging current.



**WARNING!** The charging current should be 1/10 to 1/6 of the battery capacity.



**WARNING!** Charging may create dangerous explosive gas and therefore you should avoid spark formation and naked flames whilst the battery is charging. There is a risk of explosion! It is essential that you ventilate the rooms well.

6. The battery is fully charged when "FUL" appears in the LCD screen (2), the charging process is completed.

**Note:** The charger holds the battery at 95% – 100% available battery capacity using pulsed charging. If the battery was discharged and the charger shows this after just a few minutes, this indicates that the battery capacity is low. The battery cannot be recharged any further.

## OPERATION (cont.)

### Disconnecting from a vehicle battery (Finished charging the battery)

1. Remove battery charger from mains power socket.
2. Remove the black negative terminal clamp ( - ) (7) from the bodywork.
3. Remove the red positive terminal clamp (8) from the positive ( + ) pole of the vehicle battery.



**WARNING!** After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.



**WARNING!** In case of positive earthing, first disconnect the red positive terminal clamp (8) from the bodywork and then the black negative terminal clamp (7) from the negative ( - ) pole of the vehicle battery.



**WARNING!** If the mains plug is pulled out but the charger cables are still connected to the battery, the charger will draw off a small amount of electricity from the battery. We therefore recommend that you always completely remove the charger from the battery when not in use.

### Jump start function



**WARNING!** Do not press any button while the countdown or the starting process is continuing (indicated by "StA"). Should a malfunction occur because a button is pressed by mistake, pull out the power plug.



**WARNING!** Jump start function is for lead-acid battery only.

The battery voltage indicated on the LCD screen (2) must be at least 11.5V (the higher, the better) for the jump start function to work. Even then, the jump start function may not work (e.g. if the battery is damaged or the starter is defective). In all cases, proceed as described below.

1. Pre-charging process: Following instructions as described in "**Connecting to a vehicle battery**" to charge the battery for at least 15 minutes with a high charging current.



## OPERATION (cont.)

2. Connect the black negative terminal clamp to the negative ( - ) (7) pole on your vehicle 12V battery (fig. 7).

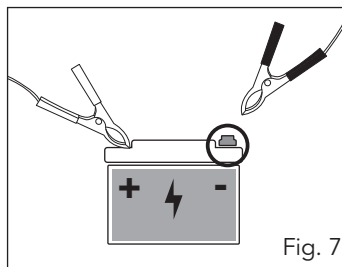


Fig. 7

3. Press the Engine start button (6) for 5 seconds (fig. 8). This activates the jump start function. The charger checks the existing battery voltage.

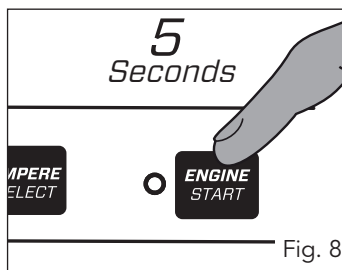


Fig. 8

- If the battery voltage is below 11.5V, a jump start is not possible and the LCD screen (2) will show **"ERR"**. Disconnect the charger from the power supply and the battery. Connect the charger to the battery and power supply again as described in point 1. Charge the battery again for at least 15 minutes with a high charging current. Then repeat the jump start process from point 2 if the LCD screen (2) indicates at least 11.5V.
  - If the battery voltage is 11.5V or higher, a jump start is possible. **"StA"** appears on the LCD screen (2) and the jump start function LED (17) illuminates. You now have 1 minute in which to attempt a start. During this minute the equipment provides the jump start current (25 A – 100 A), depending on the battery voltage) for 5 seconds. After 5 seconds the equipment goes into quiescent state (no charging current) in order to cool down, and the LCD screen (2) starts a countdown of 180 seconds. At the end of the countdown the charger analyses the battery.
- If jump start was successful, follow instructions as described in **"Disconnecting from a vehicle battery"**
  - If the jump start was unsuccessful, charge the battery again for at least 15 minutes with a high charging current. Then repeat the jump start process from point 2 if the LCD screen (2) indicates at least 11.5V.
3. You can repeat the jump start process twice. If the 3rd jump start attempt is also unsuccessful, do not try it again. The jump start function is unable to provide sufficient assistance for the battery in the jump start process.

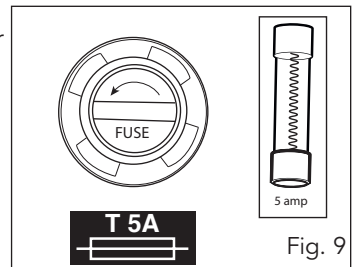


**WARNING!** Before carrying out any maintenance procedure, make sure that it is disconnected from the mains power supply.

## Fuses

There are fuses inside the equipment for additional electronic protection. If the fuse suffers a defect it must be replaced by a new fuse with the same amp value. If necessary, please contact TB Imports.

There is a miniature fuse on the rear of the equipment (fig. 9). In the event of a fault, the user can replace this fuse with one of the same rating. To do so, use a suitable screwdriver to turn the top part of the fuse holder to the left. After replacing the fuse, turn the top part to the right again. Slow Blow Fuse 5mm x 20mm, 5A 250V



## Care of the battery

- Ensure that your battery is always fitted securely.
- A perfect connection to the cable network of the electrical system must be ensured at all times.
- Keep the battery clean and dry. Apply a thin coating of grease to the connection terminals using an acid-free, acid-resistant grease (Vaseline).
- Check the level of the acid in batteries that are not maintenance free versions approximately every 4 weeks and top up with distilled water if necessary.

## Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

## MAINTENANCE (cont.)

### Storage

- The device should be placed in a dry room for storage. Any corrosion must be cleaned off the charging terminals.

### Supply cords







- If replacement of the supply cord is necessary, this has to be done by a certified electrician in order to avoid a safety hazard.

*Note: TB Imports will not be responsible for any damage or injuries caused by the repair of the tool by an unauthorised person or by mishandling of the tool.*

## TROUBLESHOOTING

<b>Problem</b>	<b>Possible Cause</b>	<b>Remedy</b>
<b>Equipment does not charge up</b>	Charger clamps connected incorrectly.	Connect the red clamp to the positive pole and the back clamp to the bodywork.
	Contact between the charger clamps.	Prevent contact.
	Battery defective.	Have the battery checked by an expert and replace it if necessary.
<b>Jump starting does not work</b>	Battery voltage too low.	Charge battery
	Fuse needs replacing	Replace fuse
	Temperature outside the temperature range.	Try jump starting within the temperature range. Ambient temperature -15° to +40°

## DESCRIPTION OF SYMBOLS

<b>V</b>	Volts	<b>Hz</b>	Hertz
~	Alternating Current	<b>W</b>	Watts
<b>A</b>	Amperes	<b>mAh</b>	Milliampere Hours
<b>Ah</b>	Amp Hour		Warning
	Regulatory Compliance Mark (RCM)		
<b>IP20</b>	Ingress protection from dust & water		Fuse value on rear of the unit
	Indoor Use Only	 	Read Instruction Manual

## CARING FOR THE ENVIRONMENT



Power tools that are no longer usable should not be disposed of with household waste but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.



Recycling packaging reduces the need for landfill and raw materials. Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

# CONTENTS

1 x 15A Battery Charger

1 x Instruction manual

**Note:** The manufacturer's liability shall be deemed void if the tool is modified in any way and the manufacturer shall therefore accept no liability for any damages arising as a result of modifications.

Distributed by:  
TB Imports

**AUSTRALIA (Head Office)**

25 Fox Drive, Dandenong South, Victoria, Australia, 3175

Telephone: 1800 951 371 (AUS), 0800 647 840 (NZ)

# WARRANTY

**YOUR WARRANTY FORM SHOULD BE RETAINED BY YOU AT ALL TIMES. IN ORDER TO MAKE A CLAIM UNDER THIS WARRANTY YOU MUST RETURN THE PRODUCT TO YOUR NEAREST BUNNINGS WAREHOUSE (see [www.bunnings.com.au](http://www.bunnings.com.au) or [www.bunnings.co.nz](http://www.bunnings.co.nz) for store locations) WITH YOUR BUNNINGS REGISTER RECEIPT. PRIOR TO RETURNING YOUR PRODUCT FOR WARRANTY PLEASE TELEPHONE OUR CUSTOMER SERVICE HELPLINE:**

**Australia 1800 951 371  
New Zealand 0800 647 840**

TO ENSURE A SPEEDY RESPONSE PLEASE HAVE THE MODEL NUMBER AND DATE OF PURCHASE AVAILABLE. A CUSTOMER SERVICE REPRESENTATIVE WILL TAKE YOUR CALL AND ANSWER ANY QUESTIONS YOU MAY HAVE RELATING TO THE WARRANTY POLICY OR PROCEDURE.

## 1 YEAR WARRANTY

Your product is guaranteed for a period of **12 months from the original date of purchase**. If a product is defective it will be repaired in accordance with the terms of this warranty. Warranty excludes consumable parts, for example: wheels, bearings.

The benefits provided under this warranty are in addition to other rights and remedies which are available to you under law. The warranty covers manufacturer defects in materials, workmanship and finish under normal use.

Our goods come with guarantees that cannot be excluded under Australian Consumer law & Consumer Guarantees Act 1993 (NZ). You are entitled to a replacement or refund for a major failure and to compensation for other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired and replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## WARRANTY EXCLUSIONS

**The following actions will result in the warranty being void.**

- If the tool has been operated on a supply voltage other than that specified on the tool.
- If the tool shows signs of damage or defects caused by or resulting from abuse, accidents or alterations.
- Failure to perform maintenance as set out within the instruction manual.
- If the tool is disassembled or tampered with in any way.
- The warranty excludes damage resulting from product misuse or product neglect.

**This warranty is given by TB Imports.**

**ABN: 17 050 731 756**

**Ph. 1800 951 371 (AUS)**

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