



900A 12V TRACKSTART JUMP STARTER

MODEL NO: TS1B

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Warning



Wear eye protection



Warning corrosive substance



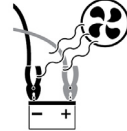
Wear protective gloves



Electrical shock hazard



Keep in dry area protect from rain



Use in well ventilated areas



Keep away from sources of ignition

1. SAFETY

IMPORTANT: To reduce the risk of a battery explosion, follow these instructions and those published by the battery manufacturer and the manufacturer of any equipment you intend to use in the vicinity of the battery. Remember to review warning marks on all products and on engines. Modern vehicles contain extensive electronic systems. Check with the vehicle manufacturer for any specific instructions regarding the use of this type of equipment on each vehicle. No liability will be accepted for damage/injury where this product is not used in accordance with all instructions.

1.1. SAFETY INSTRUCTIONS

- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working with a battery.
- ✓ Wash immediately with water if battery acid contacts skin or clothing. If acid enters eye, flush eye immediately with cool, clean running water for at least 15 minutes and seek immediate medical attention.
- ✓ Remove personal metallic items such as rings, bracelets, necklaces and watches.
- ✓ Keep the unit in good working order and condition. Replace damaged parts immediately.
- ✓ Use only recommended parts. To use unapproved parts may be dangerous and will invalidate your warranty.
- ✓ The Trackstart must only be opened and checked by qualified service personnel. **DO NOT** disassemble the unit for any reason.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Keep work area clean and tidy and free from unrelated materials. Ensure that there is adequate lighting.
- ✓ If the Trackstart receives a sharp knock or blow, it must be checked by a qualified service agent before being used.
- ✗ **DO NOT** smoke or allow a spark, or flame in the vicinity of the battery or engine.
- ✗ **DO NOT** drop any metal item onto the battery as it may spark or short circuit the battery, which could cause an explosion.
- ✗ **DO NOT** use Trackstart to recharge dry cell batteries that are commonly used with home appliances.
- ✗ **DO NOT** charge or boost a frozen battery.
- ✗ **DO NOT** use attachments other than those recommended.
- ✗ **DO NOT** pull or carry the unit by its cables.
- ✗ **DO NOT** operate in vicinity of flammable liquids or gases.
- ✗ **DO NOT** recharge the unit with a charger / cables that are damaged. Replace immediately.
- ✗ **DO NOT** use this product to perform a task for which it is not designed.
- ✗ **DO NOT** store the unit in damp or wet locations or where the temperature may exceed 50°C.
- ✗ **DO NOT** submerge the unit in water.
- ✗ **DO NOT** use whilst under the influence of drugs, alcohol or intoxicating medication.
- ✗ **DO NOT** leave the unit in a totally discharged state for an extended period of time as this may result in permanent damage.
- ✓ Ensure that the unit is fully charged before storage. Keep the unit fully charged on a regular basis.

1.2. ELECTRICAL SAFETY (with respect to mains chargers)

- ☐ **WARNING!** It is the user's responsibility to check the following:
You must check the AC adaptor to ensure that it is safe before using. You must inspect the power supply lead, plugs and all electrical connections for wear and damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD with portable products that plug into an electrical supply not protected by an RCCB. If in doubt consult a qualified electrician. You can obtain a Residual Current Device through your Sealey stockist. You must read and understand instructions concerning electrical safety.

The **Electricity At Work Act 1989** requires all portable electrical appliances, if used on business premises, to be tested by a qualified person, using a Portable Appliance Tester (PAT), at least once a year.

The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. If in any doubt about electrical safety, contact a qualified electrician.

- ✓ Ensure that the insulation on all cables and the product itself is safe before connecting to the mains power supply.
- ✓ Ensure that cables are always protected against short circuit and overload.

2. INTRODUCTION

Composite case with carry handle and fitted with 175A Anderson connector for connecting to most Motorsport vehicles. Front panel displays internal battery charge level and includes an integral LED work light. Mains charger with automatic power cut-off prevents damage to battery whilst charging. Inbuilt MOSFET circuit protection. Fitted with two 12V power sockets that will accept any 12V device with a vehicle accessory socket plug and one 5V 2.4A USB output.

3. SPECIFICATION

Model No:.....	TS1B
Auxiliary Output:.....	USB - 5V/2.4A, 12V Port (x2)
Cable & Clamp Length:.....	0.5m
Cold Cranking Amps:.....	200A
Integral Air Compressor:.....	n/a
Maximum Pressure:.....	n/a
Nett Weight:.....	6.85kg
Peak Amps:.....	900A
Voltage:.....	12V



4. OPERATION

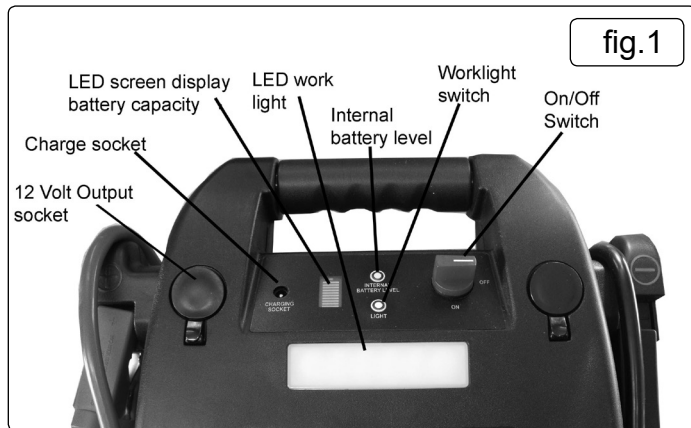


fig.1

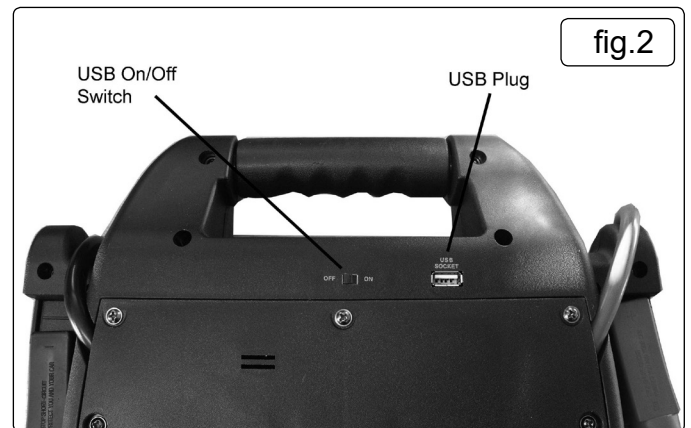


fig.2

4.1. JUMP STARTING

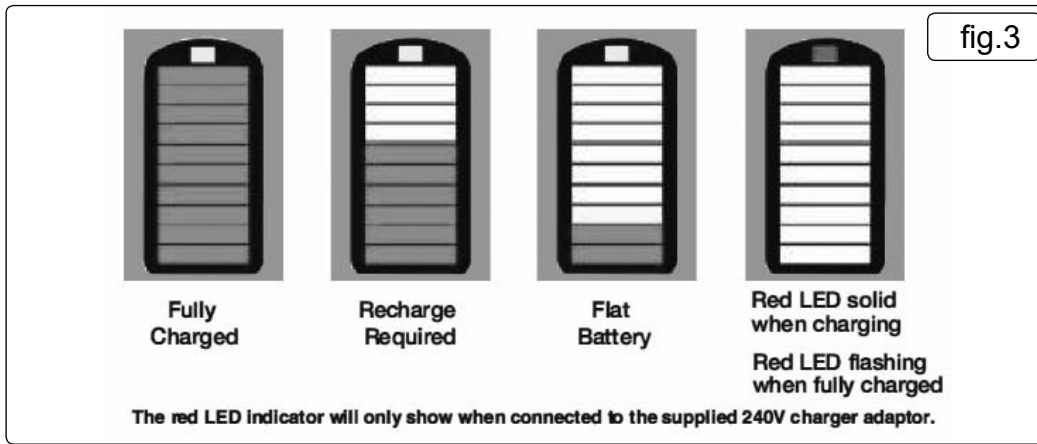
- 4.1.1. Plug in Trackstart to Anderson connection on the vehicle.
- 4.1.2. Switch the Trackstart main switch to ON position.
- 4.1.3. Once the Trackstart main power switch is ON, leave for approximately 30 seconds.
 - × **DO NOT** crank the engine for any more than 5 seconds at a time.
- 4.1.4. If the engine fails to start, wait for at least 2 minutes before trying again to avoid overloading the unit.
- 4.1.5. Once the engine is running, switch the Trackstart power switch to the OFF position. Disconnect the Anderson plug from the vehicle.
- 4.1.6. As soon as possible, connect the Trackstart to the supplied 230V AC Charger and recharge the unit to maintain battery life.

4.2. LED MULTI-FUNCTION DISPLAY FIG1/FIG3.

The LED Battery display on the front panel shows several important pieces of information:

- 4.2.1. With Trackstart main switch in ON position, pressing display button will show Internal Battery capacity. Use this to check if recharging is required.
- 4.2.2. Solid red led indicator light when recharging is underway (to see battery bars press display button - display will go out after a few seconds but red LED light will stay lit).
- 4.2.3. Flashing red indicator light when unit is fully charged (a press of the display button will also illuminate battery bar display).
- 4.2.4. Low Voltage alert – When main Trackstart switch is in the on position, a single beep will be heard every 25 seconds when recharging is required together with the red LED indicator at the top of the battery display flashing, or approximately 60% remaining charge. When pressing the LED display button during these alerts, the remaining bars will flash on the display.

4.3. BATTERY CAPACITY INDICATING BAR



4.4. OPERATION AS A PORTABLE POWER SUPPLY

4.4.1. USB:

This Trackstart is fitted with a 5V USB output on the rear of the unit. To use, plug in your USB cable to the socket, connect to your device and switch the USB power switch to the on position. The USB port is fitted with an overload circuit; if the port is overloaded power will be switched off and will automatically re-set after 2 minutes.

4.4.2. 12V ACCESSORY SOCKETS:

This unit is fitted with 2 x 12V power accessory sockets. To use these output sockets, plug in your device and power will output as soon as a connection is made. These sockets combined are rated at 15 Amps. Please **DO NOT** exceed these rated limits to prevent overloading the internal circuitry. Ensure the rubber dust covers are placed over the sockets when not in use to prevent dust or moisture from entering the socket.

4.5. LED EMERGENCY LIGHT

Depress the light switch once to turn the light on. Depress the switch again to turn the light off.

4.6. RECHARGING THE JUMPSTARTER UNIT

4.6.1. For maximum battery life it is recommended that this unit be kept fully charged at all times. If the battery is allowed to remain in a discharged state, battery life may be shortened.

4.6.2. This unit is fitted with an audible alert to indicate when recharging is required. These alerts will be heard once every 25 seconds, and will continue until the unit is recharged. These alerts will start when the internal battery reaches approximately 60% of charge. If the display button is pressed whilst the low voltage alert is active, the remaining bars on the display will flash indicating recharging should be performed. Recommended recharging is from the supplied 230V AC charger. Plug the adapter to a 230V wall outlet and connect the other end of the plug into the charge input socket on the front of the Trackstart and leave connected until the LED display indicates full.

4.7. TO PROLONG BATTERY LIFE:

4.7.1. Recharge the unit every 3 months even if it isn't used.

4.7.2. Recharge the unit as soon as possible if the low voltage warning activates.

4.7.3. Avoid storage in extreme temperatures where possible (above 50 degrees Celsius and below 0 degrees Celsius)

4.7.4. Never store the unit in a discharged state.

4.8. BATTERY DISPOSAL:

The lead acid battery contained in this Trackstart should be recycled once expired (consult your local authority requirements for safe disposal of lead acid batteries).

To remove the battery, remove the screws surrounding the back housing then remove the rear panel to expose the battery cavity. Unscrew the two hex head screws on the battery terminals and then gently slide the battery out of its cavity. Once the battery is out, insulate the battery terminals with strips of electrical tape to prevent accidental short circuits.

5. INBUILT SAFETY SYSTEMS

5.1. This Trackstart is fitted with sophisticated electronic safety systems to protect the unit and the connected battery in the result of accidental user error. Even with these protection systems in place, extreme care should be taken with the correct identification of the system voltage and the batteries being jump started.

5.1.1. Short circuit protection: In the event of accidentally touching the Positive and Negative clamps together while switched on, the unit will shut off output power thereby preventing a dangerous overload situation. A small spark may still emit from the alligator clamps, care should still be taken to not short circuit the unit around lead acid batteries.

5.1.2. 24V battery connection protection: In the event of accidental connection to a 24V battery system, the jump start unit will automatically enable its overload protection and switch power output off. The red LED will illuminate on at the front panel, along with the warning tone. Even though this protection will protect the jump start from catastrophic failure, extreme care should be taken by the user to correctly identify the type of battery to be jump started and the operating voltage of the system.

5.1.3. Over load and over temperature protection: When in use as a Trackstart, if load is too big or unit is under load for too long, the red LED on front panel will flash, also the jump starter will stop output. After a period of resting time it will automatically start again.

5.1.4. Low Voltage alert – a single beep will be heard every 25 seconds when recharging is required, or approximately 60% remaining charge. This will occur only when the main power switch is switched ON.

Parts support is available for this product. To obtain parts, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



BATTERY REMOVAL SEE 4.8

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd Batteries Producer Registration Number (BPRN) is BPRN00705.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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