

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: READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND 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. RETAIN THESE INSTRUCTIONS FOR FUTURE USE.**

1. SAFETY INSTRUCTIONS



DANGER! - BE AWARE, LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS VERY IMPORTANT TO READ AND FOLLOW THESE INSTRUCTIONS CAREFULLY, EACH TIME YOU USE THE PROJUMP EQUIPMENT. Follow these instructions and those published by the battery manufacturer, and the maker of any equipment you intend to use in the vicinity of the battery. Remember to review warning marks on all products and on engines.

1.1. PERSONAL PRECAUTIONS

- ✓ Ensure that Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- ✓ Ensure that there is another person with you especially within hearing range of your voice, or close enough to come to your aid should a problem arise when working near a lead-acid battery.
- ✓ Remove personal metallic items such as rings, bracelets, necklaces and watches. A lead-acid battery can produce a short-circuit current high enough to weld a ring or the like to metal, which may cause severe burns.
- ✓ Ensure that hands and clothing (especially belts) are clear of fan blades and other moving or hot parts of engine, remove ties and contain long hair.
- ✓ Wear safety eye protection and protective clothing. Avoid touching eyes while working near battery.
- x DO NOT smoke or allow a spark or flame in the vicinity of battery or engine.
- x DO NOT drop any metal tool onto the battery as It may spark or short circuit the battery which could cause an explosion.
- x DO NOT use whilst under the influence of drugs, alcohol or intoxicating medication.



1.2. GENERAL SAFETY INSTRUCTIONS

- ✓ Familiarise yourself with the application, limitations and potential hazards relating to this product. Also, refer to the vehicle manufacturer's handbook. **IF IN ANY DOUBT CONSULT AN ELECTRICIAN.**
- ✓ Ensure that the Projump is in good order and condition before use. If in any doubt do not use the unit and contact an electrician.
- x DO NOT dis-assemble the Projump for any reason. The Projump must be checked only by qualified service personnel.
- ✓ Only use recommended attachments and parts. To use unapproved items may be dangerous and will invalidate your warranty.
- ☐ **WARNING!** Check that both vehicle batteries are the same voltage.
- ✓ Ensure that vehicles are not touching before attempting to use these leads.
- ✓ Keep tools and other items away from the engines, and ensure that you can see the battery and the working parts of the engine clearly.
- ✓ Keep children and unauthorised persons away from the work area.
- ✓ Ensure that the jump leads are not tangled and are clear of moving or hot engine parts.
- x DO NOT allow the clamps to touch each other or to make contact with the vehicle bodywork, as this may result in arcing.
- x DO NOT cross connect the power leads to the battery. Ensure positive is to positive and negative is to negative.
- x DO NOT pull the cables or clamps from the battery terminals.
- x DO NOT operate in the vicinity of flammable liquids or gases.
- x DO NOT try to jump start a frozen battery.
- x DO NOT use or store the Projump in damp or wet locations.
- x DO NOT use this product to perform a task for which it is not designed.
- ✓ The cables may become hot with excessive use. If so, allow a few minutes for them to cool before attempting to re-use.
- ✓ If the Projump receives a sharp knock or blow, the unit must be checked by a qualified service agent before next use.
- ✓ When not in use, store the Projump carefully in the bag provided and store in a safe, dry, childproof location.



2. INTRODUCTION & SPECIFICATIONS

2.1. Introduction

Many of today's vehicles are crammed with sensitive electronic equipment including ECUs, Air Bag sensors, Digital Dashes, Alarms, Car Radios, Telephones and In-Car Security Systems. The potential for damage to these items from carrying out even basic work on the vehicle is huge. Transient spikes and surges generated by making/breaking contacts can 'fry' electronic cards or, at the very least, lead to premature failure. By using the PROJUMP Surge Protected Booster Cables, you will protect not only your own vehicle from these dangers, but also the 'sick' vehicle. The 'Traffic Light' system clearly shows if it is safe to proceed with the jump-start before any serious damage can be done.

2.2. Specifications

Model No.	Voltage	Cable Section	Length
PROJ12	12V	20mm ²	5m
PROJ12/24	12 or 24V	25mm ²	7m

3. OPERATING INSTRUCTIONS

NOTE: A good battery will start a vehicle with a flat battery, provided the rest of the system is functioning correctly. If the flat battery will not maintain the vehicle operation, or, if the flat battery later fails again, consult a qualified vehicle electrician.

WARNING! ENSURE THAT YOU READ, UNDERSTAND AND APPLY SECTION 1 SAFETY INSTRUCTIONS. IF IN ANY DOUBT REFER TO THE VEHICLE HANDBOOK, OR CONTACT A QUALIFIED VEHICLE ELECTRICIAN.

3.1. BEFORE CONNECTING THE PROJUMP

- 3.1.1. Check that both vehicles have the same voltage batteries.
- 3.1.2. Ensure that vehicles are not touching.
- 3.1.3. Switch off all electrical equipment on both vehicles, including ignition, select neutral gears (or Park if automatic) and apply handbrakes.
- 3.1.4. Determine which battery terminal (positive or negative) on the flat battery and on the good battery is connected to the vehicle bodywork or chassis. These are the EARTH terminals. The terminals connected to the vehicle electrical systems are the LIVE terminals.

FOR VEHICLES WITH THE SAME POLARITY, I.E. BOTH NEGATIVE OR BOTH POSITIVE EARTH, REFER TO 3.2.

FOR VEHICLES WITH DIFFERENT POLARITY REFER TO 3.3.

When connecting positive terminal to positive terminal (or to positive earth) use the red Projump cable. When connecting negative terminal to negative terminal (or to negative earth) use the black Projump cable.

3.2. VEHICLES WITH SAME POLARITY

- 3.2.1. Connect the LIVE terminal of the good battery to the LIVE terminal of the flat battery.
- 3.2.2. Connect the EARTH terminal of the good battery to a suitable earthing point on the engine or chassis of the vehicle with the flat battery.

WARNING! DO NOT use the vehicle fuel system (i.e. fuel lines or carburettor/injection system) for earthing.

- 3.2.3. Check the Traffic Light system on the Projump, as in 3.4. below.

WARNING! DO NOT REV THE DONOR VEHICLE ENGINE WHILST ATTEMPTING TO JUMP-START. THERE IS A POSSIBILITY OF A HIGH VOLTAGE DISCHARGE, WHICH MAY RESULT IN DAMAGE AND/OR PERSONAL INJURY.

▲ CAUTION! Before attempting the jump-start, start the donor vehicle engine and allow it to run for about one minute.

When the donor engine is running smoothly (DO NOT REV THE ENGINE), try to start the vehicle with the flat battery. If the Projump cables become excessively hot, allow a few minutes for them to cool before trying again.

3.3. VEHICLES WITH DIFFERENT POLARITY

- 3.3.1. Connect the EARTH terminal of the good battery to the LIVE terminal of the flat battery.
- 3.3.2. Connect the LIVE terminal of the good battery to a suitable earthing point on the engine or chassis of the vehicle with the flat battery.

WARNING! DO NOT use the vehicle fuel system (i.e. fuel lines or carburettor/injection system) for earthing.

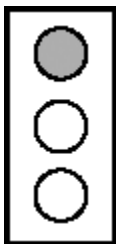
- 3.3.3. Check the Traffic Light system on the Projump, as in 3.4. below.

WARNING! DO NOT REV THE DONOR VEHICLE ENGINE WHILST ATTEMPTING TO JUMP-START. THERE IS A POSSIBILITY OF A HIGH VOLTAGE DISCHARGE, WHICH MAY RESULT IN DAMAGE AND/OR PERSONAL INJURY.

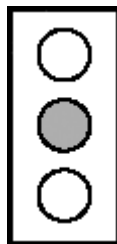
▲ CAUTION! Before attempting the jump-start, start the donor vehicle engine and allow it to run for about one minute.

When the donor engine is running smoothly (DO NOT REV THE ENGINE), try to start the vehicle with the flat battery. If the Projump cables become excessively hot, allow a few minutes for them to cool before trying again.

3.4. TRAFFIC LIGHT SYSTEM



RED LED
Indicates **ERROR**.
STOP!
Disconnect clamps
as polarity
has been reversed.



AMBER LED
Indicates **ERROR**.
STOP! The donor battery is **NOT**
in good condition.
 WARNING! Permanent damage
may occur if you attempt to start
a vehicle.
Change the donor battery.



GREEN LED
Indicates **OK**.
The cables and donor
battery are in good
condition.
You may proceed.

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 responsibility is accepted for incorrect use of this equipment.

WARRANTY: Guarantee is 12 months from purchase, proof of which will be required for any claim.

INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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