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If applicable, the applications database and any instructional information provided has been designed to offer general guidance for a particular tool's use and while all attention is given to the accuracy of the data no project should be attempted without referring first to the manufacturer's technical documentation (workshop or instruction manual) or the use of a recognised authority such as Autodata.

It is our policy to continually improve our products and thus we reserve the right to alter specifications and components without prior notice. It is the responsibility of the user to ensure the suitability of the tools and information prior to their use.



Safety First. Be Protected.

6994_Instructions_V3

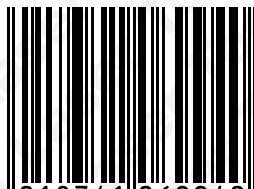
Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



Distributed by The Tool Connection Ltd

Kineton Road, Southam, Warwickshire CV47 0DR
T +44 (0) 1926 815000 F +44 (0) 1926 815888
info@toolconnection.co.uk www.toolconnection.co.uk



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LASER[®]

6994

Mini Jump Start Power Pack



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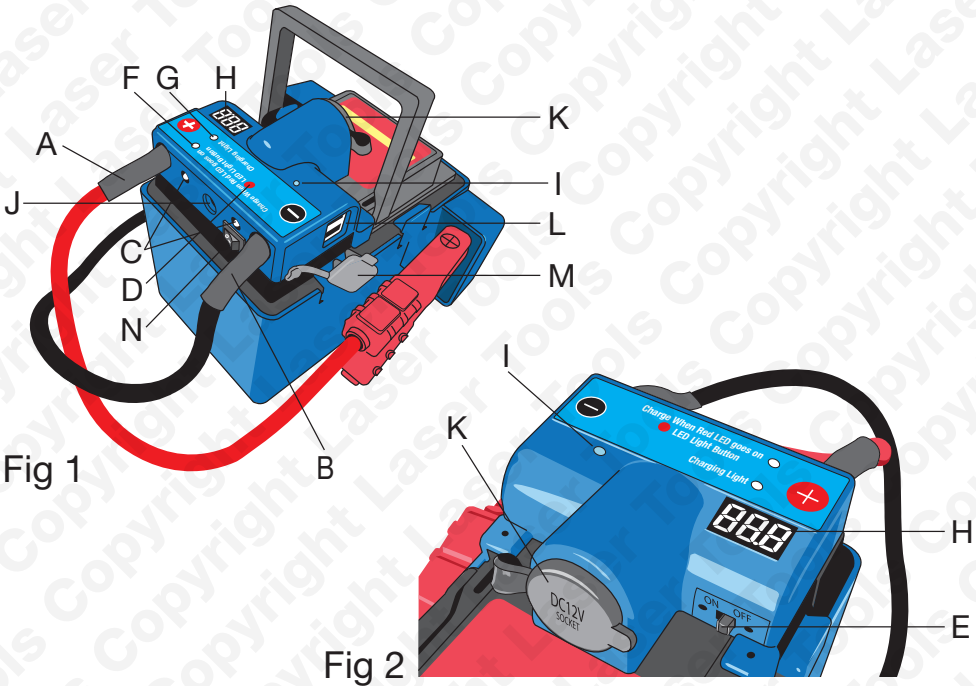
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6994 Mini Jump Start Power Pack

The Mini Jump Start Power Pack is an efficient but compact emergency engine starting power pack. It also features bright LEDs to illuminate the work area (flashing mode can be used as a warning beacon), a 12V DC output socket, two 5V USB outputs (for charging mobile phones, etc) and a digital voltage display.

Note:
On first purchase of the Mini Jump Start Power Pack, the unit must be charged until the charging LED (G) turns green (will be red during charging). Then it must be charged every eight to twelve weeks to avoid damage to the battery. The unit must also be charged when the Charge Warning LED (F) illuminates.

Controls



Controls			
A	Main Positive (red) cable and clamp	H	Digital voltage display
B	Main Negative (black) cable and clamp	I	ON switch LED
C	LED work area lights	J	Charging Port
D	LED work area light control switch	K	12 volt accessory socket
E	ON switch (power to 12V socket and USB)	L	USB ports (5 volts)
F	Charge warning LED	M	USB ports cover
G	Charging LED	N	Master Switch

Notes

- Danger of sparking: (explosion risk) if vehicle battery has recently been charged, ensure area is well ventilated and ensure eye protection is worn before connecting up the Mini Jump Start.
- Danger of sparking: do not connect up the Mini Jump Start if there are any fuel leaks or fuel vapour present.
- When not in use, make sure both cable clamps are securely fixed to the moulded clamp holders on the sides of the Mini Jump Start.
- Never connect the Mini Jump Start to a short circuited battery.
- **Do NOT** touch the **positive red cable** clamp and the **negative black cable** clamp together.
- The Mini Jump Start is only suitable for **12 Volt vehicles**.
- When **red LED (F)** appears it means the battery voltage of Mini Jump Start has dropped below 12.35 Volts and it must be charged.
- Only use the originally supplied 240V -12V charger or 12V DC charger to charge your Mini Jump Start.
- Do not let the Mini Jump Start get wet or use in damp or wet conditions.
- Keep Mini Jump Start clean and store in a dry and secure area.
- Protect the Mini Jump Start from prolonged exposure to humid or damp conditions.
- Ideal storing temperature: +1°C to +25°C.
- Always take extreme care when connecting the Mini Jump Start to the vehicle battery. Always connect **red** cable clamp to the positive terminal of the battery **first**. When disconnecting, always remove the **black** cable clamp from the negative battery terminal of the battery **first**.
- Please keep away from children at all times.
- If the unit is not to be used for some time, then it should be left fully charged with the Master Switch OFF (**N** in Figure 1).

Controls

LED lights: two super-bright LEDs (**C**) to assist connecting in dark conditions. Operated by button on control panel:

- Push button (**D**) once: LEDs illuminate for approximately 60 seconds.
- Push button and hold for 3 seconds: LEDs illuminate and stay on.
- Push button twice: LEDs flash (rescue beacon).
- Push button again: switches off LEDs.

ON Switch / Digital voltage display: switch (**E**) moved to left (**on**), displays present voltage of Mini Jump Start.

12V Accessory socket: switch power switch (**E**) on.

USB ports: 5V @ 2000mA — switch power switch (**E**) on.

Note: when **E** is switched ON, the ON switch LED (**I**) glows.

Chargers Supplied

The Mini Jump Start comes with a **240V-12V charger** for the home or workshop and a 12V DC Charger is also supplied to charge from the vehicle's onboard 12V power port; therefore your Mini Jump Start is on charge while you travel anywhere and is fully charged ready for use at any time. Both chargers are connected to the charging port (**J**).

Charging the Mini Jump Start

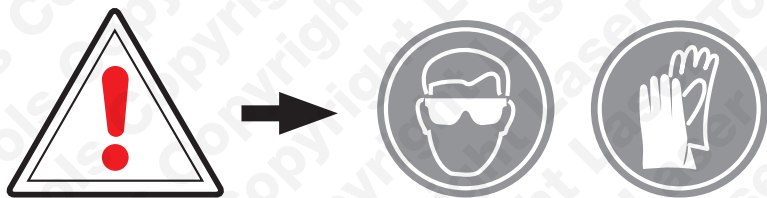
Ensure the Master Switch (N) is on before charging.

When new, charge the Mini Jump Start immediately for a minimum of 24 hours or until the Green LED light appears on the control panel.

When the red Charge Warning LED (**F**) appears on the control panel, this indicates that charging is required. Plug in the supplied 240V -12V charger to a 240V socket. Then insert the plug connector of the charger into the charging port (**J**) on the front panel of the Mini Jump Start. As it charges, the Charging LED (**G**) on the control panel will be red. Once fully charged, the LED will turn green.

It is safe to keep your Mini Jump Start on charge 24 hours a day and 365 days a year if required. The charging port in the control panel has an automatic sensor and will sense when the Mini Jump Start is charged and then shut itself down automatically; therefore there is no risk of overcharging.

Vehicle Starting Procedure



Note:

Always refer to the vehicle manufacturer's documentation (handbook or workshop manual) for their recommended jump start instructions.

1. Switch all of the vehicle's electrical devices OFF.
2. Wear eye protection.
3. Ideally the vehicle's battery voltage should not have dropped below 12.4 V for a successful jump start.
4. Connect the **red** cable clamp (**A**) to the **(+) positive terminal** of the vehicle's battery first.
5. Then connect the **black** cable clamp (**B**) to the **(-) negative terminal** of the vehicle's battery.
6. **Start the vehicle.** Limit your starting attempts to a maximum of 4-5 seconds at a time.
7. Allow the Mini Jump Start to cool down for approximately 3 minutes after unsuccessful start attempts. If you can not start the vehicle after 3 attempts, please stop the starting procedure.

Once the vehicle has started, disconnect the **(-) black** cable clamp **first** and then the **(+) red** cable clamp from the vehicle's battery terminals.

Place the main cable clamps back in their shielded recesses.

When finished, switch the ON switch (**E**) to the **OFF** position.

Product Specifications

Size (with leads)	17 cm (Length) x 18 cm (Width) x 15.5 cm (Height)
Weight	5.1 Kilograms
LED Lights	Two bright LED lights A: To light up under bonnet area or battery compartment when connecting Mini Jump Start. B: Use as a Warning / SOS signal
Output	12V (DC) Socket: (Max 10A)
Instant max Current:	1200 Amps
240V Charger Power:	AC 100-240 Volt Charger, 50/60 Hz, UL, CE Certified
2 USB Port	Output 5V, total 2000 mA
Rechargeable battery	Acid battery DC 12V/14Ah
Vehicle range	4/6/V6/V8 cylinder petrol up to 6.5 Litre and 2.5 Litre to 3.0 Litre Diesel Vehicles