Caution

- Failure to use the gas torch correctly may result in fire, damage and / or personal injury.
- Keep hands and body clear of the torch head when operating as it becomes very hot.
- Do not leave an operating torch unattended.
- Flame can be invisible in sunlight — exercise caution.
- Do not get the torch wet or attempt to cool the torch with water.
- Caution — Contains flammable gas under pressure.
- Do not fill gas or store near a naked flame, heater or combustible materials.
- Use only high quality butane gas.
- Butane is highly flammable — handle with care.
- Do not drop, puncture or incinerate.
- Do not store or operate at temperatures above 50ºC.
- Keep out of reach of children.
- Let the plastic welder fully cool down before replacing in storage case.

Precautions

Our products are designed to be used correctly and with care for the purpose for which they are intended. No liability is accepted by the Tool Connection for incorrect use of any of our products, and the Tool Connection cannot be held responsible for any damage to personnel, property or equipment when using the tools. Incorrect use will also invalidate the warranty.

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.

Guarantee

This item contains consumable elements and are NOT covered by the Tool Connection Guarantee. For spares contact our service department direct on: +44 (0) 1926 818186.

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The Complete Connection

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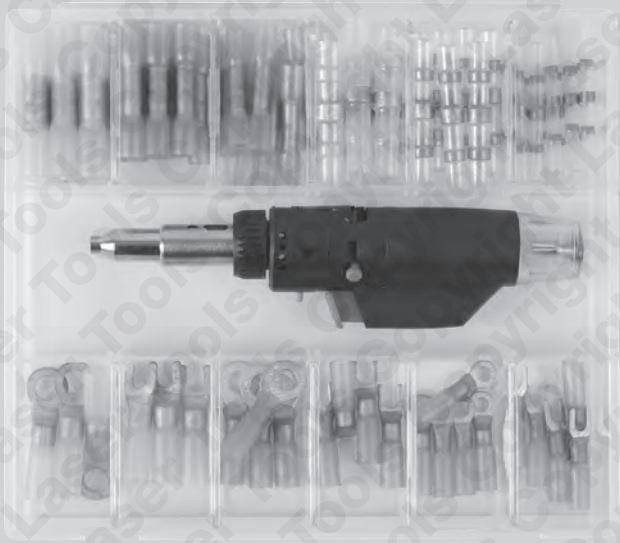
LASER®

6616

Solder Kit

73pc



- An essential solder kit complete with sleeves, wire splices, fork and ring terminals.
- Kit includes a Butane Gas Heat Torch.
- Consumables include: Solder sleeve wire splices 10 x AWG 22-18 red, 8 x AWG 16-14 blue, 6 x AWG12-10 yellow.
- Plus: Heat shrinkable butt splice connectors - 10 X AWG22-18 red, 8 x AWG 16-14 blue, 6 x AWG 12-10 yellow.
- Also: Heat shrink ring terminals Size 4.3mm - 5 x red, 4 x blue, 3 x yellow
- Heat shrink fork terminals Red: 4.3 mm, Blue 4.3, Yellow 5.3mm.
- All consumable elements can be replaced from the Connect Consumables range.

www.lasertools.co.uk

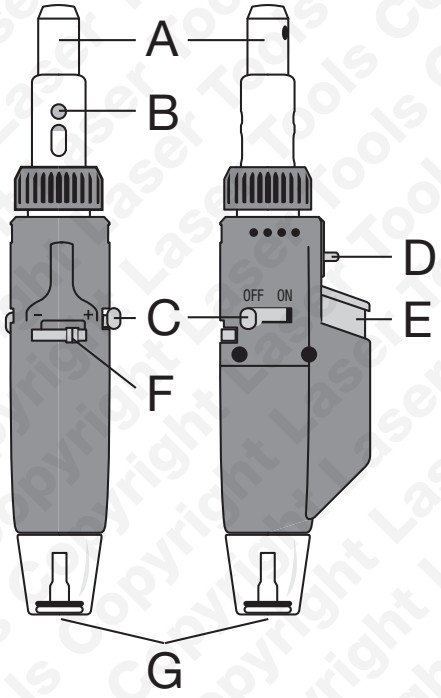
6616 Solder Kit with Gas Powered Torch

A useful set of connectors that includes both heat shrink crimp and heat shrink solder joiners plus a selection of heat shrink crimp fork and eye terminals.

The compact and lightweight butane-gas powered heat torch quickly and cleanly produces directional hot air, particularly suited to heat shrink tubing when making repairs to automotive wiring and cabling.

Clear gas reservoir enables level of liquid butane to be seen.

Controls



A	Torch head / Gas Outlet
B	Catalyst block
C	ON – OFF control
D	Safety lock button
E	Igniter
F	Gas flow control
G	Gas fill valve

Gas Filling & Refilling:

- Use only high quality butane gas to fill the torch.
- If applicable, let the torch fully cool down before gas filling.
- Ensure the ON-OFF control (C) is turned to the OFF position before filling.
- Invert the unit; insert the gas container's nozzle vertically into filling valve (G).
- When gas escapes from filling valve, remove the nozzle from the filling valve.

Ignition

1. Refer to diagram above: — set gas flow control (F) to approximately the mid way position.
2. Grip both ON-OFF controls (C) between thumb and forefinger and lift and rotate to the right to switch on the gas flow.
3. Depress the safety lock button (D) and press down on the igniter button. As the gas outlet (A) warms up the catalyst block (B) will be seen to glow orange.
4. Move the gas flow control (F) to desired position to control the temperature. With experience the operator will ascertain the best position to provide the correct amount of heat for the heat shrink insulation. Take care not to overheat or burn the heat shrink insulation.

To Switch Off:

1. Move the ON-OFF controls (C) to the left — this switches off the flow of gas.
2. Make sure the unit is completely cool before replacing back into storage case.

Heat Shrink Crimp Terminals and Joiners

Remove approximately 5mm of insulation from the wire then fit the terminal or joiner and crimp in the normal manner using a crimping tool. Referring to the notes above, use the gas powered heat torch to shrink the heat shrink insulation to tightly grip the wire and terminal.

Heat Shrink Solder Joiners

These joiners have a plug of low-temperature pre-fluxed solder in the centre and sheathed with heat shrink insulation. Remove approximately 8mm of insulation from both wires to be connected. Either twist the two wires tightly together, or push the two ends of the wires against each other so that the wire strands slide together; now slide the solder joiner over the wire joint until the plug of solder is at the centre of the joint.

Use the gas powered heat torch to shrink the heat shrink insulation, initially at the ends of the joiner to support the wires then at the centre to melt the solder. Carefully heat the solder area until the crimped solder plug shrinks and melts; solder will be drawn into the wire strands giving a secure connection.