



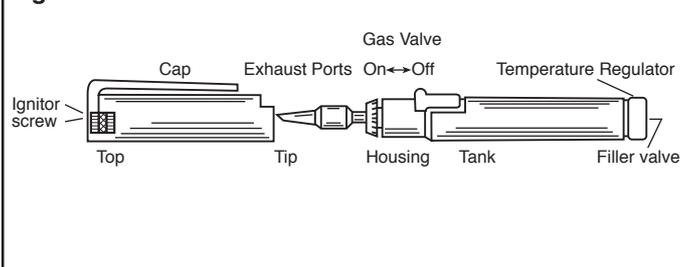
# Multi Purpose Gas Tool Kit

## RS Stock No. 512-610

### Accessories:-

RS Stock No. 512 - 626	1.0 Solder tip
RS Stock No. 512 - 632	2.4 Solder tip
RS Stock No. 512 - 648	3.2 Solder tip
RS Stock No. 512 - 654	4.8 Solder tip
RS Stock No. 512 - 660	Hot knife tip
RS Stock No. 512 - 676	Hot gas tip
RS Stock No. 512 - 682	Flame tip

Figure 1



### WARNING : PRESSURISED CONTAINER

- 1.1 Do not expose fuel reservoir (tank) to temperatures in excess of +50°C(+120°F).
- 1.2 Excessive gas flow, flaming or catalyst pulsing red may occur when the regulator is incorrectly adjusted i.e. high. It is essential therefore to ignite the soldering iron with the tip, blow torch, hot blow or knife tip pointing away from face and body.
- 1.3 Do not use or ignite near combustible or inflammable substances.
- 1.4 Do not replace cap without first switching of and ensuring the tip has cooled.
- 1.5 Do ensure that flames are out before putting iron down. If flames do not self-extinguish within 30 sec., a new tip is required.

### Operating instructions

The soldering iron operates on ISO-Butane gas as used in ordinary cigarette lighters. Use only filtered (purified) gas fuels.

1. Refill the iron in a vertical position with the filler valve facing upwards.
2. Push the refill firmly into the filler valve and hold steady for 4 to 5 seconds.
3. To obtain maximum gas filling, it is recommended that the iron is chilled (in a refrigerator) before filling.

### Ignition

4. Set the temperature regulator to medium (half way between - and +).
5. Hold soldering iron away from the body and face.

6. Push gas valve towards tip to release gas and activate the flint ignitor so that sparks are directed towards the tip exhaust ports.
7. When ignited, the tip will flame for up to 15 seconds before self-extinguishing as the catalyst takes over.
8. If the tip continues to flame, set temperature regulator lower. If flaming still continues, the catalyst maybe exhausted or the tip needs replacing (see tip replacement).
9. Do not increase temperature whilst tip is flaming.
10. To shut down, push gas valve away from tip.

**WARNING :** The tip will remain hot after use. Do not replace the cap until the tip has cooled down.

11. Spare tips for use in this kit are not interchangeable with tips for RS Stock No 600 - 234.

### Tip replacement

12. After a period of use, the catalyst becomes exhausted and the tip must be replaced. This is indicated by excessive flaming when ignited, continuing for more than 30 seconds.
13. To replace the tip, unscrew the collet and pull the tip away from the iron.
14. Screw in the new tip. Note that the catalyst, visible through the tip exhaust ports, is delicate and will not withstand mechanical abuse. Any damage will seriously shorten tip life.

### Flint replacement

15. Release screw from the top of the cap, remove top, taking care not to dislodge spring.
16. Remove old flint and replace with a standard cigarette lighter flint.
17. Replace top and retighten screw.

### General performance

The soldering iron when full will give nominally 2 hours continuous use, with tip temperatures up to 400°C max. (equivalent to 60 watt rating).

**Note :** Do not leave the iron empty of gas as this will cause the valve to dry out.

### CAUTIONS

**DO NOT EXPOSE TO FIRE, FLAME OR STORE IN TEMPERATURES IN EXCESS OF 50°C.**

**ALWAYS TRANSPORT WITH THE CAP FITTED.**