

OPERATION AND INSTRUCTION MANUAL

GENERAL SAFETY RULES

1. Keep torch out of reach of children and anyone who has not read instructions. Do not point torch towards face, other persons of flammable objects.
2. Never use torch for checking for gas leaks.
3. Disconnect cylinder when not in use.
4. Never attempt to modify the torch construction and never use unapproved accessories or fuels.
5. Do not drop or otherwise abuse. This will cause breakage at the safety fracture groove.
6. Do not use a leaking, damaged or malfunctioning torch.
7. When brazing, always wear protective goggles and gloves.
8. Work only in well-ventilated areas. Avoid the fumes from fluxes, lead-based paint and all metal heating operations. Be especially careful to avoid fumes from cadmium plating and galvanized metal – remove these coatings in the area to be heated by filing or sanding prior to heating.
9. Avoid contact of flux with skin or eyes.
10. Be aware that the top of the torch can get extremely hot during use. Take precautions to protect yourself and others from accidental burns. Never use the torch on or near combustibles.
11. Always make certain the torch is placed on a level surface when connected to the fuel cylinder to reduce the risk of accidental top over.
12. When thawing pipes, be very careful not to overheat surrounding materials. Use heat shield.
13. Always have a fire extinguisher and a bucket of water near the torch and work area.

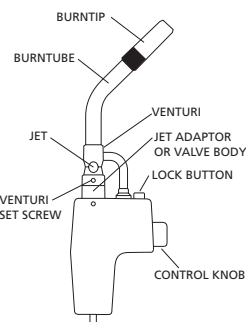
DANGER

EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. Keep away from heat or flame. It is illegal and dangerous to refill the cylinder. Obtain a new cylinder from your local ROTHENBERGER stockist. Keep out of reach of children. Avoid prolonged exposure to sunlight. Do not store near heat or in a room used for habitation. Always close burner valve and wait at least 30 seconds before removing burner from cylinder. Always detach cylinder from burner when not in use. Do not breathe gas, fumes, vapor or spray. If inhaled, remove affected person to fresh air. Avoid contact with skin and eyes. For skin contact, flush with large amounts of water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When cylinder is empty discard in a safe place, for example a landfill site, etc. Do not puncture or incinerate container. Do not throw in fire.

DO NOT USE A LEAKING, DAMAGED OR MALFUNCTIONING TORCH OR HOSE

LIGHTING AND OPERATION

1. Hold the torch so that the burntip is pointed away from persons and high flammable materials.
2. Turn the control knob to the ON position.
3. Turn adjustment knob fully counterclockwise using finger pressure only. DO NOT FORCE. (Super-Fire only.)
4. Press the control knob in all the way and the torch will ignite. Repeat if necessary.
5. For continuous operation, push down on the lock button while holding the control knob. To stop, press the control knob and the lock button will spring up.
6. Use adjustment knob to obtain desired flame length (Super-Fire only). Do not attempt to operate torch with a flame length of less than 1" or your will damage the burntip.



CHANGING THE BURNTIP AND JET

CAUTION

Before changing burntips/jets be sure the control button is in the OFF position, the burntip is cool and the torch has been removed from the gas source.

To change the burntip, simply unscrew the tip and replace with another burntip (see accessory list). To change the jet, loosen the set screw in the venturi until burntube can be removed. Remove the jet from the jet adaptor*. Use a 7/32" socket and turn counterclockwise. Carefully install the new jet by turning clockwise into jet adaptor (a little more than finger tight). Re-install the burntube onto the jet

adaptor* and retighten set screw. Re-attach torch to gas supply. Torch is now ready for use. Always assemble jet, burntube and burntip immediately. Never leave torch unattended without a jet, burntube or burntip properly installed. Always store jets in their storage tubes to protect them from dirt and other contaminants.

*Valve body in Super-Fire torch.

SOLVING POSSIBLE PROBLEMS

1. IF BURNTIP OVERHEATS

Under normal operating conditions, the burntip of your torch will not get excessively hot, but you should exercise caution in handling the torch to protect yourself and others from accidental burns.

a. A partially clogged jet

If a sudden change in the flame pattern develops and the top overheats, this could indicate a clogged orifice. Follow instructions for replacing orifice.

b. Adjusting the flame

Operate your torch only with the lock button fully depressed. You cannot adjust the flame by only partially depressing the control button. The adjustment knob is the only method of adjusting the flame (Super-Fire only).

c. Heating in enclosed areas

Working in extremely close confines with your torch may also cause the burntip to overheat. Under these conditions it is advisable to use the pencil flame burntip/jet combination. You may also consider using the accessory heat shield with this burntip. The heat shield will also protect surrounding areas from scorching, etc. The heat shield is available from your local ROTHENBERGER stockist.

d. Low gas pressure

After long use, the cylinder pressure may be too low to force the flame to burn outside the burntip. To determine if this is the case, attach the torch to a new cylinder. If normal burning resumes for only full minute with the new tank, then properly discard old cylinder.

e. Operating flame on too low adjustment (Super-Fire only)

Always operate torch with a main flame of at least 1". Operating torch with too low of a flame will cause the burntip to overheat.

ALWAYS LIGHT THE TORCH WITH THE ADJUSTMENT VALVE FULL OPEN AND THEN ADJUST THE FLAME.

2. IF TORCH DOES NOT LIGHT

First check the control button to make it is in the ON position. Next, check the adjustment knob to make sure it is adjusted approximately 1/2 turn from full clockwise position. Depress the control button several times and listen for the sound of gas travelling through the burntube. If you do not hear any sound, attach a new cylinder and test again.

A CLOGGED JET WILL ALSO CAUSE ERRATIC LIGHTING. Follow instruction for replacing the jet. If the torch still does not light please return it for service as per the service instructions. DO NOT ATTEMPT TO DISASSEMBLE THE TORCH BODY OR TAMPERS WITH ANY OF THE INTERNAL MECHANISMS OF THE TORCH. To do so will void the equipment warranty. The torch is only serviceable at our factory.

3. IF THE FLAME WILL NOT ADJUST (Super-Fire only)

If the torch has been turned off and the adjustment knob will not move, the problem may be that you have tightened the knob too far. Only finger pressure should be used to adjust to clockwise and counterclockwise positions. If you are in the process of using the torch and the flame will not adjust, turn the torch off immediately. Check to see if the jet is clogged, and follow directions for replacing. Also check the gas cylinder for replacement.

NOTE: Once you have adjusted the adjustment knob approximately one complete turn from the clockwise position, the size of the flame will not increase appreciably. This does not indicate any problem with your torch. If you cannot locate the problem, discontinue using the torch immediately and return it for service according to instructions.

WARNING

UNDER NO CIRCUMSTANCES SHOULD YOU ATTEMPT REPAIRS OR ADJUSTMENTS ON THE TORCH BODY OR ITS INTERNAL MECHANISMS. ANY ADJUSTMENTS OTHER THAN THE ONE DESCRIBED IN THIS MANUAL WILL VOID ALL EQUIPMENT WARRANTIES ON THIS TORCH.

STORAGE

1. Return control knob to the OFF position.
2. Turn control knob to the ON position, then push repeatedly to purge all gas inside torch.
3. When torch is cool, disconnect cylinder and STORE TORCH AND CYLINDER SEPARATELY AND OUT OF REACH OF CHILDREN. Observe cautions on cylinder label.

ROTHENBERGER

No. 3.5644X

GB For faster soldering, better brazing and a hotter flame... at any angle, even fully upside down

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GB Stainless steel burn tube

D Stainless steel burn tube

E Stainless steel burn tube

F Stainless steel burn tube

I Stainless steel burn tube

GB Lock button keeps hands free

D Lock button keeps hands free

E Lock button keeps hands free

F Lock button keeps hands free

I Lock button keeps hands free

GB Fits all leading types of gas cylinders with optional adaptors

D Fits all leading types of gas cylinders with optional adaptors

E Fits all leading types of gas cylinders with optional adaptors

F Fits all leading types of gas cylinders with optional adaptors

I Fits all leading types of gas cylinders with optional adaptors

GB Turbine flame burner tip for brazing up to 28mm Ø (with Mapp Gas)

D Turbine flame burner tip for brazing up to 28mm Ø (with Mapp Gas)

E Turbine flame burner tip for brazing up to 28mm Ø (with Mapp Gas)

F Turbine flame burner tip for brazing up to 28mm Ø (with Mapp Gas)

I Turbine flame burner tip for brazing up to 28mm Ø (with Mapp Gas)

GB Fracture groove prevents gas leakage if torch is dropped

D Fracture groove prevents gas leakage if torch is dropped

E Fracture groove prevents gas leakage if torch is dropped

F Fracture groove prevents gas leakage if torch is dropped

I Fracture groove prevents gas leakage if torch is dropped

GB Fully adjustable flame control

D Fully adjustable flame control

E Fully adjustable flame control

F Fully adjustable flame control

I Fully adjustable flame control

GB Piezo ignition

D Piezo ignition

E Piezo ignition

F Piezo ignition

I Piezo ignition

ROTHENBERGER

No. 3.5644X



Super Fire 2

GB Fully Adjustable Brazing Torch

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Propane



MAPP



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