



## COMPLETE SAFETY AND OPERATING INSTRUCTIONS

### WARNING

Contents extremely flammable and under pressure.

Keep out of reach of children or any one who has not read the instructions.

Please refer to information on the specific torch you purchased.

Use only the fuel that is recommended for the torch you purchased.

Use of non-recommended fuel will void your warranty.

Carefully read cautions on individual containers. Keep away from heat and flame.

DO NOT store at temperatures above 120°F (49°C). DO NOT store in rooms used for habitation.

## MAGNA INDUSTRIES, INC.

2233 West 110th Street, Cleveland, Ohio 44102



MT 565 CK

### RECOMMEND FUEL TO BE USED FOR MODELS:

MT565 C, MT565 CK, MT575 C, MT 579 C, MT 579 PRO  
MAP-Pro™ or PROPANE ONLY  
Use only MAP-Pro™ or Propane Fuel with this torch. Use of any other fuel may damage your torch and may cause serious harm or personal injury.

### ALWAYS USE YOUR TORCH IN A WELL VENTILATED AREA

## DANGER:

CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE KEEP OUT OF THE REACH OF CHILDREN

**Warning:** Byproducts of the combustion of the fuel used by this product contains chemicals known to the State of California to cause cancer or reproductive harm. Handling the brass parts of this product will expose you to lead, a chemical known to the State of California to cause birth defects and other reproductive harm. Wash hands after handling.

1-800-969-3334

### GENERAL SAFETY RULES:

1. Do not try to operate before reading instructions. Do not use this torch until you understand all of the instructions and cautions. Familiarize yourself with the torch before lighting or using. Review instructions and cautions periodically to maintain awareness. Deviating from these procedures may result in fire, explosion, and property damage and/or operator injury.
2. Do not point torch toward face, other persons or flammable objects. Never attempt to use torch as a cigarette lighter.
3. Disconnect gas cylinder when not in use.
4. Never attempt to modify the torch construction and never use unapproved fuel or accessories.
5. Treat the torch as you would any fine tool or instrument. Do not drop or otherwise abuse.
6. Do not use a leaking, damaged or malfunctioning torch. STOP using it immediately. DO NOT use the torch until you correct the problem. Torches improperly operated, maintained or repaired can be dangerous. Improper use, service, repair or modification of the torch could result in damage to the product, property damage or personal injury to the operator.
7. Work only in well ventilated areas.
8. Avoid contact of flux with skin or eyes. Avoid the fumes from fluxes, lead-based paint and all metal heating operations. They may emit dangerous fumes when heated with a torch. Breathing these fumes is hazardous to your health. 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. Always place your work on firebrick. If you are not sure it is firebrick, DO NOT use it. Ordinary brick and concrete can explode when subjected to high temperatures. DO NOT work on wood or metal surfaces. Always shield your work.
10. Always wear protective gloves and use proper tools to handle hot work.
11. Always wear eye protection when operating the torch. When brazing, use goggles with an ANSI Z87.1 2979 Shade No. 4 or No. 5 lens.
12. Be aware that the tip 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. Be especially careful around motor vehicles or any gasoline-fired products and beware of hidden fuel lines and tanks.
13. Always make certain the torch is placed on a level surface when connected to the gas cylinder to reduce the risk of accidental tip over. Be sure torch is not pointed in a direction which could cause nearby objects to ignite when torch is set down.
14. When thawing pipes, be very careful not to overheat surrounding materials. The use of a heat shield is recommended.
15. Always have a fire extinguisher and a bucket of water near the torch and work area. Do not place them in the flame path or in a location where you could not reach them should a fire break out.

### DANGER - ALL MODELS:

(Extremely flammable contents under pressure.) Keep out of reach of children. Keep away from heat or flame. It is illegal and dangerous to refill the gas cylinder. Obtain new gas cylinder from your dealer. Avoid prolonged exposure to sunlight. Do not store near heat or in a room used for habitation. Always close torch valve and wait at least 30 seconds before removing torch from gas cylinder. Always detach gas cylinder from torch 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 gas cylinder is empty, discard in a safe place. Do not throw in fire. Do not puncture or incinerate container. Federal law forbids transportation if refilled. Penalty up to \$25,000.00 fine and five years imprisonment (49 U.S.C. 1809).

Read and understand these instructions prior to use.

### ASSEMBLY - ALL MODELS:

Before attaching torch to gas cylinder, check and make sure valve is OFF by turning knob in clockwise direction hand tight only. DO NOT FORCE.

Turn gas cylinder clockwise into valve body until HAND TIGHTENED and attach securely. Save the cylinder protective cap for later storage.

### TEMPERATURE ADJUSTMENT - ALL MODELS:

For hottest, most efficient flame, adjust inner blue flame of burner to 1-1/2" to 2" in length.

### WARNING - ALL MODELS:

The gas cylinder contains gaseous and liquid fuel. If the torch is moved rapidly, tilted too far to the side or upside down, the liquid can enter the valve and cause the flame to flare or extinguish.

Make sure torch is cool before tightening or removing torch head or before installing or removing accessories.

### COLD WEATHER OPERATION - ALL MODELS:

In cold weather the size of the flame will be smaller. To produce a large flame, pre-warm the gas cylinder to room temperature prior to use. Shaking the gas cylinder a few times to warm the fuel will help. There is a greater possibility that the flame will extinguish when the torch is turned upside down in cold weather.

### TURNING OFF AND STORAGE:

REMOVE GAS CYLINDER FROM TORCH WHEN NOT IN USE. NEVER STORE WITH TORCH ATTACHED TO GAS CYLINDER.

Turn valve off. NOTE: The flame may continue to burn for a short period of time if the torch has been operated in an inverted (upside down) position.

When torch is cool, turn the gas cylinder counter-clockwise from valve body to disconnect. Then store torch and gas cylinder separately. Observe cautions on gas cylinder label. Replace the protective cap on the gas cylinder after use.

### OPERATION AND LIGHTING:

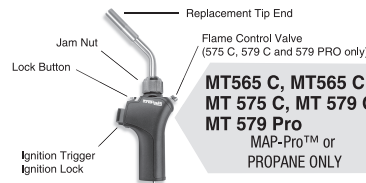


Figure A

Torch should be directed in a safe direction away from people and objects.

Use only MAP-Pro™ or Propane Fuel with the torch.

Use of any other fuel may damage your torch and may cause serious harm.

Make sure the on/off adjustment knob is in "off" position when installing a gas cylinder.

With valve open and without lighting, test all connections for leaks with soapy water at the torch and gas cylinder connection. Check all joints and couplings periodically to insure against loose connections. If a leak is detected, replace the gas cylinder and check for leaks again. If leaking still occurs the torch MUST NOT be used. DO NOT ATTACH OR DETACH TORCH WHERE OPEN FLAMES CAN IGNITE ACCIDENTALLY RELEASED GAS. Crossed threads may result in the sudden escape of extremely flammable gas.

Do not use torch with a cylinder tipped more than 60° from the upright position as this may cause the torch to flare.

#### Assembling Components

Before installing the hand torch to the cylinder, make sure the Flame Control Valve is in the fully CLOSE position (DO NOT FORCE) and the sealing gasket is in place.

1. Slide the lock button to the Unlock position.
2. Slowly turn the Flame Control Valve (Model, 575, 579 C and 579 Pro Only) counterclockwise 3-4 turns while holding the torch. Light the torch by slowly pressing and holding the Ignition Trigger. (repeat if necessary)
3. To obtain proper flame, turn the Flame Control Valve clockwise. To avoid overheating the tip end, hold the torch a proper distance to object.
4. Push down the Lock Button to lock the Ignition Trigger for continuous operation.

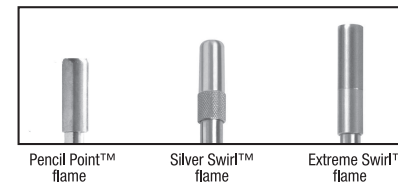
#### Shutting Down Equipment

1. Release the Ignition Trigger and Close the Flame Control Valve to extinguish the flame and wait for the tip to cool down.
2. Disconnect hand torch from cylinder by turning the cylinder counterclockwise while holding the hand torch body.
3. Store the cylinder in compliance with state or local regulations. Read the printed instruction warning on the cylinder for storage. Keep equipment away from children.

### ASSEMBLY AND SWIVEL FUNCTION OF BURNER:

CAUTION ALLOW TIP TO SUFFICIENTLY COOL BEFORE ATTEMPTING TO SWIVEL OR REMOVE THE TIP ASSEMBLY. TIP MAY BE EXTREMELY HOT AND TOUCHING THE TIP MAY RESULT IN BODILY HARM OR PROPERTY DAMAGE IF TOUCHED.

Your torch tip may be swiveled to help you reach hard to reach spots. Simply loosen the black jam nut (see Figure A) and swivel torch into any position. Hand tighten the jam nut. Take care NOT TO OVER TIGHTEN. Recheck leaks by following procedures highlighted under "Operating and Lighting above". The MT 579 C is also equipped with the Magna Universal Handle™. This features allows you to exchange the burner tip into one of three flame patterns. The three tips available are:



To change the tips simply completely loosen the black jam nut (see Figure A) and slide up the silver stainless steel fuel tube. Gently pull the fuel tube straight up until the tip is completely removed from the Universal Handle™. Push the tube of the new tip assembly into the top of the Universal Handle™. While lightly holding down on the fuel tube re-thread the black jam nut (see Figure A) onto the Universal Handle™.