



## OPERATING INSTRUCTIONS AND OWNER'S MANUAL

Model #

MH500PT

**READ INSTRUCTIONS CAREFULLY:** Read and follow all instructions. Place instructions in a safe place for future reference. Do not allow anyone who has not read these instructions to assemble, light, adjust or operate this tool.



# Propane Torch

Model #MH500PT

## FOR YOUR SAFETY!

Read and understand instructions before use!  
Retain this information for future reference.

### If you smell gas:

- **Shut off gas to the device.**
- **DO NOT** try to light appliance.
- Extinguish any open flame.
- Check the device for leaks using soapy water.
- **DO NOT** attempt to relight the device until all leaks are repaired and there is no gas smell.

**DO NOT use this device in areas where gasoline or other liquids having flammable vapors are stored or used.**

## CAUTION:

- ⚠ This device is intended for outdoor use only.
- ⚠ **NEVER** direct torch flame toward hose or gas tank.
- ⚠ **DO NOT** leave torch unattended while in operation.
- ⚠ **DO NOT** stand or prop the torch on the burner end while in operation.
- ⚠ **Always** use the striker provided. Never use a match or lighter to ignite torch.
- ⚠ **DO NOT** apply heat or flame to tank to check for leaks or to increase gas pressure.
- ⚠ **DO NOT** lift tank by the valve.
- ⚠ When not in use the gas should be turned off at the LP gas tank(s).
- ⚠ **CAUTION** – In daylight, torch flame is barely visible.
- ⚠ **DO NOT** place hand or body part in the path of the flame while lighting or operating torch.
- ⚠ This device is designed for vapor withdrawal from an LP gas tank(s) ONLY.

## NOTE:

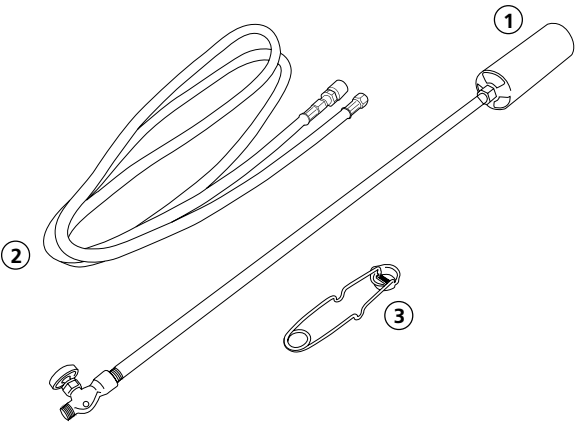
- ⚠ Place tank on level surface in an upright position.  
Do not invert or lay tank on its side.
- ⚠ Gloves should be worn at all times when operating this device. Long sleeves, long pants, and boots are recommended.
- ⚠ Have an ABC type fire extinguisher readily accessible to the job site.

THE STATE OF CALIFORNIA REQUIRES THE FOLLOWING WARNING:

## WARNING:

Combustion by-products produced when using this product contain carbon monoxide, a chemical known to the State of California to cause cancer and birth defects (or other reproductive harm).

# FMH500PT-Parts List



ITEM	DESCRIPTION	PART NO.
1 .....	Handle Assembly .....	72601
2 .....	Hose Assembly .....	72602
3 .....	Striker .....	72603

When ordering repair parts, always furnish the following information:

- 1) Model Number
- 2) Part Number
- 3) Part Description

## CAUTION:

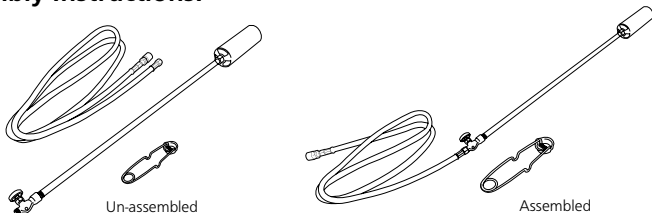
⚠ Use only **genuine** Mr. Heater replacement parts. **Never** substitute parts. Do not use modified parts. When ordering replacement parts, use the part number located in these instructions.

## OPERATING CHARACTERISTICS

Model	BTU	Operating Temperature Range	Inlet Pressure Range
MH500PT	500,000*	-10° F to 100° F	17 psi to 170 psi

\* Tank size and tank temperature can directly affect BTU output

### Assembly Instructions:



- 1) Unpack all the components and inspect for any damage. If any damage is discovered contact the delivery service or Mr. Heater immediately.
- 2) Connect the hose assembly to the handle assembly and tighten **counterclockwise**.

**NOTE:** This is a left-handed thread connection.

### Connection to the Supply Tank:

**NOTE:** The LP (Liquid Petroleum) gas tank used with this device should be no less than a 20 lb. capacity. It should also meet or exceed NFPA 58 "Standard for the Storage and Handling of Liquefied Petroleum Gases".

- 1) Inspect the nut/nipple (excess shut-off valve) connection of the hose assembly. Check for any dents or damage. The o-ring must be present. If damage is found or the o-ring is missing call Mr. Heater for the proper replacement parts.
- 2) Connect the excess shut-off valve end of the hose assembly to the shut-off valve of a LP gas tank and tighten **counterclockwise**.

**NOTE:** If your LP gas tank does not have a shut-off valve, exchange the tank for one with a shut-off valve.

## CAUTION:

⚠ This device is designed for vapor withdrawal from an LP gas tank(s) ONLY. Use of any other gas may result in device failure or personal injury.

## Leak Test:

- 1) Close torch adjusting valve.
- 2) Slowly open the supply tank shut-off valve.
- 3) Test all connections for possible gas leaks using leak test solution.
- 4) If a leak occurs at:
  - Torch-adjusting valve stem
    - Tighten stem packing nut **clockwise**
    - Slowly open supply tank shut-off valve and retest connection. Repeat if necessary
    - If leak cannot be stopped by tightening the stem packing nut a new stem assembly (part #VS-1S) may be required. Contact Mr. Heater for the proper replacement parts.
  - Supply tank shut-off valve
    - Close supply tank shut-off valve and retighten connection **counterclockwise**. Slowly open supply tank shut-off valve and restart connection. Repeat if necessary.

## CAUTION:

- ⚠ **DO NOT** operate if any leaks are present. A leak may create a fire hazard.
- ⚠ **DO NOT** smoke around or expose supply tank(s) to open flames or sparks.
- ⚠ **DO NOT** apply heat or flame to tank to check for leaks. Excess heat may cause the supply tank to rupture, possibly causing personal injury.

## Lighting Instructions:

**NOTE:** The hose assembly is supplied with an excess flow control valve. Opening the supply tank shut-off valve rapidly can cause the valve to close. If the excess flow valve closes, close the supply tank shut-off valve. Open torch adjusting valve to release any residual gas left in the hose. Close torch-adjusting valve and wait 30 seconds. Slowly open tank shut-off valve.

- 1) Make sure torch adjusting valve is closed.
- 2) Open supply tank shut-off valve.
- 3) With torch nozzle pointed away from any flammable material, open torch adjusting valve 1/8<sup>th</sup> of a turn or until you can hear gas escaping.
- 4) Ignite using supplied igniter.
- 5) Use the torch-adjusting valve to control the size and heat of flame.

**USE:** When using tool, do not direct flame directly into wind.  
Do not allow barrel to come closer than 6" to the surface being heated.  
Failure to do either of these things could cause flame outage.

## CAUTION:

- ⚠ **DO NOT** smoke around or expose supply tank(s) to open flame or sparks.
- ⚠ **Always** use the striker provided. Never use a match or lighter to ignite torch. Use of device other than the striker may cause personal injury.
- ⚠ **DO NOT** place hand or any body part in the path of the flame while lighting or operating torch. This can result in personal injury.

## Shut-Off Instructions:

- 1) Close torch adjusting valve.
- 2) Close supply tank shut-off valve.
- 3) Open the torch-adjusting valve briefly to release any residual gas left in the hose.

## CAUTION:

- ⚠ **DO NOT** smoke around or expose supply tank(s) to open flames or sparks.
- ⚠ Torch end of handle assembly will increase in temperature immediately after shutting off.

## Maintenance:

### Prior to each use:

- 1) Visually inspect all components of the device for damage and or wear. If the hose shows excessive abrasion wear, or the hose is cut, it must be replaced prior to operation. If damage is found, contact Mr. Heater for the proper replacement parts.
- 2) Visually inspect LP gas tank(s) for dents, damage to collar, damage to shut-off valve or corroded foot ring. If any of these are present the LP gas tank(s) must be replaced prior to operation.
- 3) Perform a leak test according to the leak test procedure described on page 5.
- 4) Ignite torch according to the lighting instructions described on page 5. Check operation of the adjusting valve and the other components prior to proceeding.

### Periodically:

- 1) Remove any debris or combustible material from the torch. The torch must be kept clear and free from combustible materials.
- 2) The surface of the device should be cleaned with soap and water. Do not use petroleum-based or flammable cleaner on any part of the device.

## Disconnecting the Supply Tank:

- 1) Make sure supply tank valve is shut off.
- 2) Open torch adjusting valve briefly to release any residual gas left in the hose. Close adjusting valve when complete.
- 3) Disconnect the P.O.L. nut/nipple located at the end of the hose assembly from the supply tank(s).
- 4) Replace the protective plastic cap and plug to the hose end and supply tank(s) respectively.

## CAUTION:

- ⚠ **DO NOT** smoke around or expose supply tank(s) to open flames or sparks.

## Storage:

Never store a torch that is still hot. When the torch is stored indoors, the connection between the LP gas tank(s) and the device must be disconnected and the tank(s) removed from the device and stored outdoors in accordance with Chapter 5 of the “Standard for the Storage and Handling of Liquefied Petroleum Gases” ANSI/NFPA 58.

## CAUTION:

- ⚠ **DO NOT** smoke around or expose supply tank(s) to open flame or sparks.
- ⚠ The hose assembly shall be protected from traffic, crushing, and hot surfaces. This may cause premature wear of the hose.
- ⚠ **DO NOT** lift tank by the valve. Lifting the tank by the valve may result in damage to the valve.

## NOTE:

- Storage temperature shall not exceed 120degrees F (49 degrees C).
- Place tank on level surface in an upright position. Do not invert or lay tank on its side.

## Safety Information:

Safety publications related to safe practice and use:

CSA 2-94 “U.S. Requirements for Hand Held LP Torches for use with fuel supply”

ANSI Z49.1 “Safety in Welding and Cutting”

NFPA 54 “National Fuel Gas Code”

NFPA 58 “Standard for the Storage and Handling of Liquefied Petroleum Gases”



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### WARNING:

USE ONLY MANUFACTURER'S REPLACEMENT PARTS. USE OF ANY OTHER PARTS COULD CAUSE INJURY OR DEATH. REPLACEMENT PARTS ARE ONLY AVAILABLE DIRECT FROM THE FACTORY AND MUST BE INSTALLED BY A QUALIFIED SERVICE AGENCY.

### PARTS ORDERING INFORMATION:

**PURCHASING:** Accessories may be purchased at any Mr. Heater local dealer or direct from the factory

#### FOR INFORMATION REGARDING SERVICE

Please call Toll-Free 800-251-0001  
[www.mrheater.com](http://www.mrheater.com)

Our office hours are 8:30 AM – 5:00 PM, EST, Monday through Friday.

Please include the model number, date of purchase, and description of problem in all communication.

### LIMITED WARRANTY

Mr. Heater Corp. warrants its Propane Torch to be free from defects in material and workmanship for a period of 90 days from date of purchase. Mr. Heater will repair or replace this product free of charge if it has been proven to be defective within the 90 day period, and is returned at customer expense with proof of purchase to Mr. Heater within the warranty period.

Mr. Heater Inc. reserves the right to make changes at any time, without notice or obligation, in colors, specifications, accessories, materials and models.

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