

BLUEFIRE HEAVY DUTY WEED TORCH

Please Read All Instructions and Save These Instructions For Future Reference.

- This device is intended for outdoor use only.
- This torch is designed for a vapor-withdrawal LP-Gas cylinder only.

Operating Instructions and Parts Manual For Models:

Model	Maximum rating value BTU/HR
BF-1720	340644



Conforms to UL 147 - 2016
Certified to CGA 2.29 - 1997(R2014)
Safety Hand-Held Torches for Fuel Gases

Safety Check List:

- Gloves should be used at all times. Long sleeves, long pants & boots are recommended.
- Use only vapor torches on tanks equipped with vapor withdrawal valves.
- Secure the tank in a level, upright position. Do not invert or lay tanks on their sides.
- Do not apply flame to the tank to check for leaks or to increase gas pressure.
- Keep torches, open flame and sources of ignition away from cylinders, regulators and hose.
- Do not operate torches or any equipment if the odor of LP-Gas is evident. Immediately shut off all valves and, using soapy water, check all equipment for leaks.
- Tank valves must be protected. Do not hoist a tank by the valve.
- Do not leave the torch unattended while in operation.
- Do not stand or prop the torch on the burner end while in operation.
- This equipment is for outdoor use only with adequate ventilation.
- Have a type ABC fire extinguisher on the job site, easily accessible to the person operating the torch.

IMPORTANT WARNINGS:

DO NOT OPERATE THIS EQUIPMENT IF:

- You are subject to seizures, loss of consciousness, or fainting.
- You have been drinking alcohol, using illicit drugs, or prescription drugs that might effect your judgment or balance.
- You have not read or do not understand the operator's manual.
- You are not capable of safely operating this type of equipment.

DO NOT ALLOW CHILDREN TO OPERATE THIS EQUIPMENT.

FOR YOUR SAFETY!

If You Smell Gas:

1. Shut off gas to the device.
2. Extinguish any open flame.
3. Check the device for leaks using soapy water.
4. DO NOT attempt to relight the device until leaks are repaired and there is no gas smell.

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

WARNING:

Use extreme caution at all times. You are using an intense open flame. This torch produces an extremely hot and nearly invisible flame. Read and follow the Safety Check List and Daily Equipment Check List before attempting to operate this torch.

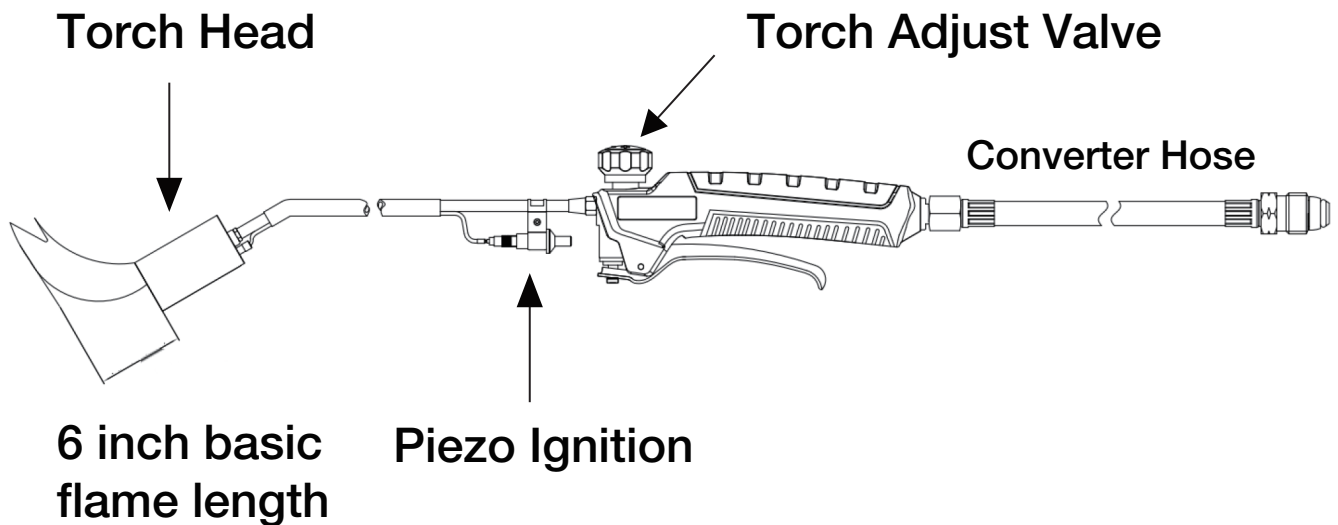
CAUTION

- Propane is heavier than air which can cause it to accumulate in low areas. Be certain all areas are well ventilated.
- Propane has a distinct ODOR. If you smell it, IMMEDIATELY discontinue work, extinguish all flames, locate the leak and correct it, ventilate area before lighting torch.
- Use extreme caution at all times. This device has an intense open flame. Disregard of safe practices can result in severe fire damage, personal injury, or possible death.
- Never direct torch flame toward any person or animal.

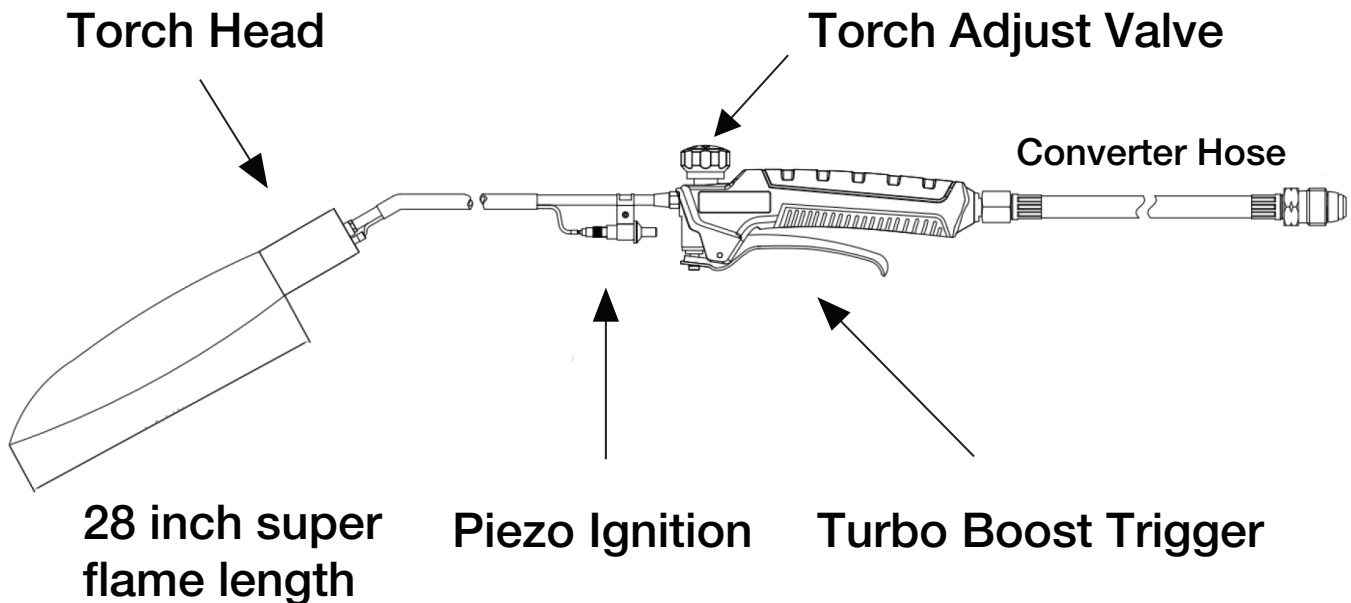
NOTE: This torch is designed to combust vapor-fuel output from an approved propane tank, do not allow liquid-fuel to feed the burner Head.

Assembly Instructions and Parts List Diagrams:

I. Open Torch Adjust Valve and press the Piezo Ignition to lighting the basic flame.



II. Keep the basic flame, when the Turbo Boost Trigger is depress, the flame become super flame.



BLUEFIRE

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Connecting To The Supply Tank:

The propane supply tank used with this torch should be 5-- 20 lb tank. capacity and must be designed, fabricated, tested and marked in accordance with regulations of the U.S. Department of Transportation, the Canadian Transport Commission or the Interstate Commerce Commission. Supply tanks must be arranged to provide for vapor withdrawal from the operating tank.

1. Inspect the nut/nipple of the P.O.L. connection on the LP-Gas hose. Check for dents or physical damage. The O-ring should be present on nipple fitting. If damage is evident, call for replacement parts.
2. Be certain the propane tank valve is fully turned off. Remove the protective plastic plug from the tank valve outlet connection.
3. Connect the P.O.L. nut/nipple fitting on the hose to the propane supply cylinder by turning the left hand threaded P.O.L. nut counter clockwise into the cylinder valve outlet. Snug the connection tight with a wrench. **DO NOT OVER TIGHTEN.**
4. Slowly open the cylinder valve. Check all LP-gas connections for leaks using soapy water or suitable leak detection solution. **DO NOT USE MATCHES OR OPEN FLAME TO CHECK FOR LEAKS.** Do not attempt to operate the torch if there is evidence of a leak or at any time the odor of gas is detected

Lighting Instructions:

IMPORTANT NOTE

The P.O.L. contains an integral flow-check valve. Opening the Propane tank valve rapidly can cause the valve to check. If the tank flow valve checks, close the Propane tank valve, wait 15 seconds and slowly open the propane tank valve.

- If no leaks are found, proceed with lighting the torch.
- **DO NOT USE MATCHES OR CIGARETTE LIGHTER TO IGNITE THE TORCH.**
- Be certain the flame adjusting valve is closed before opening the Propane tank valve.

1. Close all valves.
2. Open the tank valve slowly.
3. Point torch away from person and/or any flammable materials.
4. Open torch adjusting valve about 1/8 of a turn or until a small amount of gas is heard escaping.
5. Ignite torch by using the Piezo Ignition .
6. If gas shows signs of restricted flow, the excess flow adapter may have activated. To reset:
 - a) release Turbo Boost Trigger valve and close torch adjusting valve and tank valve.
 - b) Depress Turbo Boost Trigger to bleed off residual pressure. Release Turbo Boost Trigger.
 - c) Wait 10-20 seconds.
 - d) Open tank valve slowly and torch adjusting valve once again, then ignite.
7. If torch continues to not operate properly, turn all valves off and check tank to be sure it is not empty and has enough propane. If the tank is not empty, the problem may be in torch. Then send back to seller to replace the torch.

8. Adjust torch flame with the Turbo Boost Trigger to control flame intensity.

9. Follow all instruction and warnings.

Torch Shut-Off:

1. Release the Turbo Boost Trigger to have basic flame.
2. Close the propane tank valve. Allow the gas to burn out of hose. After the flame is no longer visible, turn the Torch Adjust Valve to the closed or "off" position. TO RESTART follow lighting instructions.

Disconnecting From The Supply Cylinder:

1. Be certain the Propane tank valve is turned off.
2. Disconnect the P.O.L. nut/nipple fitting on the LP hose to the propane supply.
3. Replace the protective plastic plug into the propane tank valve outlet.

Maintenance:

- Surfaces of the torch may be cleaned with soap or detergent and water solutions. Do not use petroleum-based cleaners to clean any components of the torch or the torch body.
- Remove any debris and combustible material from the torch. The torch must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.
- The converter hose shall be visually inspected prior to each torch use. If there is excessive abrasion or wear, or the hose is cut, it must be replaced prior to the torch being put into operation. The replacement hose assembly shall be specified by Flame Engineering, Inc. Contact Flame Engineering for further information.

NOTED: ANY OTHER SERVICING SHALL BE PERFORMED BY AN AUTHORIZED SERVICE REPRESENTATIVE

Storage:

Never attempt to store the torch while it is hot. When the torch is stored indoors, the connection between the LP-Gas supply tanks and the torch must be disconnected and the tank removed from the torch and stored in accordance with Chapter 5 of ANSI/ NFPA 58, the standard for storage and handling of liquefied petroleum gases. Do not store the torch in locations where it may be damaged.

WARNING

The gas supply hose shall be protected from traffic, building materials and contact with hot surfaces during use and while in storage

Daily Equipment Check List:

- Visually inspect all parts of the torch equipment for damage and wear. If the hose shows excessive abrasion or wear, or if the hose is cut, replace it before operating the torch. Replace torch hose assembly with test laboratory listed LP-Hose, 350 P.S.I. working pressure.
- Using a soapy water solution, check all connections and fittings for leaks. **DO NOT USE A MATCH OR OPEN FLAME TO TEST FOR LEAKS.**
- Check LP cylinders for dents, damage to collar, damage to valve, or corroded foot ring. Do not use damaged tank. Know if you are using liquid or vapor withdrawal. **USE ONLY VAPOR WITHDRAWAL CYLINDER WITH THESE TORCH KITS.**
- For outdoor use only.
- Ignite torch. Check operation of valve and other adjustable parts. Note: when extinguishing a torch, shut-off cylinder valve first and allow gas to burn out of lines.

Important Safeguards:

When using torches, basic safety precautions should always be followed:

A. READ ALL INSTRUCTIONS.

B. Before using, check all parts for proper function and damage to components parts.

C. Do not use this torch to heat, mold or bend plastic sheets, moulding or tubing.

D. Hidden areas such as behind walls, ceilings, floors, soffit boards and other panels may contain flammable materials that could be ignited by the heat gun when working in these locations. The ignition of these materials may not be readily apparent and could result in property damage and injury to persons.

When working in these locations, keep the torch moving in a backand-forth motion. Lingering or pausing in one spot could ignite the panel or the material behind it.

E. Do not use this torch to remove paint (if the torch can be used to remove paint, items (F) and (G) below shall be used.

F. **WARNING:** Extreme care should be taken when stripping paint. The peelings residue and vapors of paint may contain lead, which is poisonous. Any pre-1977 paint may contain lead and paint applied to homes prior to 1950 is likely to contain lead. Once deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable. Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check the lead content of the paint to be removed. **LEAD-BASED PAINT SHOULD ONLY BE REMOVED BY A PROFESSIONAL AND SHOULD NOT BE REMOVED USING A TORCH.**

G. Persons removing paint should follow these guidelines:

1. Move the work piece outdoors. If this is not possible, keep the work area well ventilated. Open the windows and put an exhaust fan in one of them. Be sure the fan is moving the air from inside to outside

2. Remove or cover any carpets, rugs furniture, clothing, cooking utensils and air ducts.

3. Place drop cloths in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.

4. Work in one room at a time. Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.

5. Children, pregnant or potentially pregnant women and nursing mothers should not be present in work area until the work is done and all clean up is complete.

6. Wear a dust respirator mask or a dual filter (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These masks and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep masks from sealing properly. Change filters often. **DISPOSABLE PAPER MASKS ARE NOT ADEQUATE.**

7. Use caution when operating the heat gun. Keep the heat moving, as excessive heat will generate fumes, which can be inhaled by the operator.

8. Keep food and drink out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.

9. Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surface where paint or dust is clinging. **DO NOT SWEEP, DRY DUST OR VACUUM.** Use a high phosphate detergent or trisodium phosphate (TSP) to wash and mop areas.

10. At the end of each work session put the paint chips and debris in a double plastic bag, close it with tape or twist ties and dispose of properly.

11. Remove protective clothing and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rag that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.

H. SAVE THESE INSTRUCTIONS.