



**Hearth Products Controls Co**  
**706 Congress Park Dr**  
**Dayton, OH 45459**

## Angled Log Lighter Kits

### Installation and Operation Instructions

These instructions apply to the following models:

**Natural Gas Kits:** A12N, A17N, A24N, AV12PCN, AV12PBN, AV17PCN, and AV17PBN

**LP Gas Kits:** A12P, A17P, A24P, AV12PCP, AV12PBP, AV17PCP, and AV17PBP

**WARNING:** If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

Do not store gasoline or other flammable vapors and liquids in vicinity of this or any other appliance.

**WHAT TO DO IF YOU SMELL GAS:**

- Do not try to light appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency, or gas supplier.



**INSTALLER:** Leave this manual with the appliance.  
**CONSUMER:** Retain this manual for future reference.



We suggest that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

We highly recommend that our products be installed and serviced by professionals who are certified in the U.S. by NFI (National Fireplace Institute).

Read and understand these instructions before starting assembly and installation of this product. Failing to follow these instructions may void warranty. Installations must be done in accordance with local codes.

### IMPORTANT SAFETY REQUIREMENTS:

- This kit must be installed in a solid- fuel burning fireplace with a working flue and constructed of non-combustible material.
- Keep area surrounding fireplace clear and free from combustible materials, gasoline, and other flammable vapors.
- A fireplace screen must be in place when the fireplace is operating. The screen must have an opening(s) for introduction of combustion air unless other provisions for combustion air are provided.

## Angled Log Lighter Kit Parts List (Fig. 1)

<u>Item</u>	<u>Part #</u>	<u>Description</u>
1(or)	460 (or)	LP Air Mixer Orifice (S12P, S17P, & S24P kits only)
2	461	Natural Gas Orifice (S12N, S17N, & S24N kits only)
3	509	3/8" Coupler
4	672-12, 672-17, 672-24	12", 17", & 24" Burner Tube
5	502	3/8" Street Elbow (support leg)
6	551	3/8" End Cap
7	502	3/8" Street Elbow

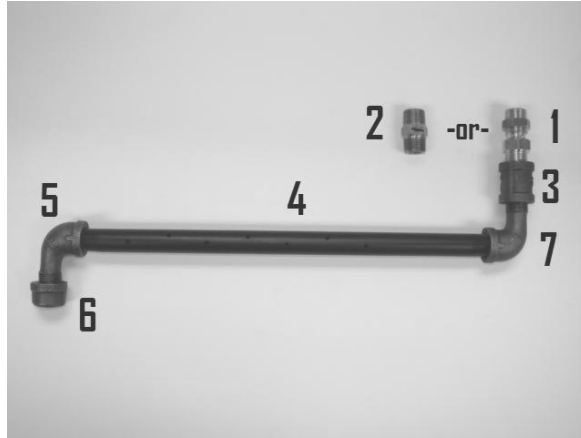


Fig. 1

### Assembly Instructions

**IMPORTANT:** For fireplaces with incoming gas pipe stub that is located horizontally in the firewall at the rear of fireplace. Use pipe dope or gas rated tape for all connections that follow.

- 1) Attach and tighten **Part 1** or **Part 2** to the incoming gas stub. **LP kits will use Part 1; Natural Gas kits will use Part 2.**  
**IMPORTANT: LP Kits use air mixer orifice Installation (Part 1): Install as shown in Figure 2.**

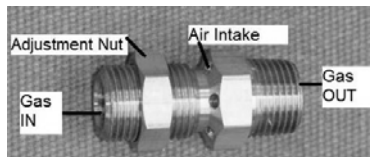


Fig. 2 (Part 1- LP Gas)

- 2) Attach and tighten **Part 7** to other end of burner tube **Part 4**. Then attach & tighten **Part 3** to the other end of **Part 7**.
- 3) A: **No support leg:** Using pipe or tape, install **Part 6** to other end of burner tube.  
B: **Support leg:** Attach and tighten **Part 5** to burner tube, then **Part 6**.
- 4) Lay burner tube in fireplace so center of burner tube is approximately in the center of fireplace.  
A) MEASURE the distance from **Part 1** (LP) or **Part 2** (Nat. Gas) to **Part 3**.  
B) LOCATE a 3/8" black pipe nipple (Customer supplied) of the appropriate length that will span the distance- add 1/2" to this measurement to account for thread needed.
- 5) Attach and tighten this nipple to **Part 1** (or **Part 2**) and **Part 3**.  
**NOTE: For proper orientation, it is best to have burner holes pointing downward to prevent them from inadvertently filling with ash.**
- 6) Test all connections for gas leaks using soapy water abundantly on all connections. Turn on gas and inspect for bubbles. If bubbles are found, turn OFF gas immediately and retighten connection- more pipe dope or tape may be necessary.

### Operating Instructions

- 1) Ignite long match or lighter.
- 2) Turn on gas slowly while simultaneously applying match to burner. Once burner is lit, open manual valve to desired amount.
- 3) Burn until logs are well lit, and then turn off gas.