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## Flame King YSN340K

# Flame King Propane Torch Kit (Model YSN340K) Instruction Manual

Heavy Duty Weed Burner with 340,000 BTU and Piezo Igniter

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## INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Flame King Propane Torch Kit, Model YSN340K. Please read all instructions carefully before assembly and operation. Retain this manual for future reference.

## IMPORTANT SAFETY INFORMATION

**WARNING:** Failure to follow these instructions could result in fire, explosion, serious injury, or death.

- Always operate the torch in a well-ventilated area.
- Keep children and pets away from the operating area.
- Wear appropriate personal protective equipment (PPE), including safety goggles, heavy work gloves, and long-sleeved clothing.
- Ensure the propane cylinder is upright and stable during use.
- Never point the torch at people, animals, or flammable materials.
- Check all connections for leaks using a soapy water solution before ignition.
- Do not use the torch near combustible liquids or vapors.
- Face the torch downwind when igniting.
- Turn off the propane supply at the cylinder valve when not in use.
- Store the torch and propane cylinder in a cool, dry, well-ventilated area, away from direct sunlight and heat sources.
- This product is for outdoor use only.
- **California Proposition 65 Warning:** This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).
- **CSA Certified:** This product has been tested and certified to meet specific safety and performance standards established by CSA.

## PRODUCT COMPONENTS

The Flame King Propane Torch Kit (Model YSN340K) includes the following components:

- Torch assembly with large wide nozzle
- Ergonomic grip handle
- Flame control knob
- Idle boost control lever (safety lever valve)
- Piezo igniter (push button)
- 10-foot propane hose with POL safety valve and handwheel tightener



**Image:** Detailed view of the Flame King Propane Torch Kit, highlighting the grip handle, flame control knob, idle boost control lever, piezo igniter, large wide nozzle, 10-foot hose, POL safety valve, and handwheel tightener.

# HIGH INTENSITY TORCH FOR MAX HEAT



## FLAME CONTROL VALVE

- ✓ Environmentally Friendly
- ✓ 340,000 BTU
- ✓ Fully Assembled
- ✓ 10ft Propane Hose
- ✓ Igniting Trigger



EASY GRIP HANDLE



LARGE WIDE NOZZLE



POL SAFETY VALVE  
with HANDWHEEL TIGHTENER

**Image:** Close-up of the torch handle, showing the flame control valve, easy grip handle, large wide nozzle, and POL safety valve with handwheel tightener.

## SETUP INSTRUCTIONS

Your Flame King Propane Torch Kit arrives fully assembled. Follow these steps to connect it to a propane cylinder:

- 1. Ensure all valves are closed:** Before connecting, verify that the torch's flame control knob and the propane cylinder's valve are in the OFF position.
- 2. Connect the hose to the propane cylinder:** The 10-foot hose features a POL safety valve with a handwheel tightener. This fitting is reverse-threaded.

## This torch comes FULLY ASSEMBLED



**Image:** Illustration demonstrating the reverse thread connection for the POL fitting to a propane tank. Remember: "Left Tight, Right Loose."

Tighten the handwheel by turning it counter-clockwise (lefty tighty) until secure. Do not overtighten.

3. **Check for leaks:** After connecting, open the propane cylinder valve slowly. Apply a soapy water solution to all connections. If bubbles appear, close the cylinder valve immediately and re-tighten the connection. Repeat the leak test. Do not proceed if leaks are detected.
4. **Position the cylinder:** Place the propane cylinder on a stable, level surface, ensuring it remains upright during operation. The 10-foot hose allows for flexible positioning.



**Image:** The Flame King Propane Torch Kit shown fully assembled, ready for connection to a propane cylinder.

# PROPANE COMPATIBLE

Compatible with standard propane cylinders including:  
**5lb, 10lb, 20lb, 30lb, 40lb, 60lb & 100lb tanks**



**Large Wide Nozzle**

**Sold Separately**

**Image:** The torch kit is compatible with standard liquid propane cylinders, including 5lb, 10lb, 20lb, 30lb, 40lb, 60lb, and 100lb tanks. Propane cylinders are sold separately.

## OPERATING INSTRUCTIONS

Follow these steps for safe ignition and operation of your propane torch:

- 1. Prepare the area:** Ensure the operating area is clear of all flammable materials and that you are wearing appropriate PPE.
- 2. Open cylinder valve:** Slowly open the propane cylinder valve. A quarter to half turn is typically sufficient for most tasks.
- 3. Adjust flame control knob:** Turn the torch's flame control knob about 1/8 of a turn to allow a small amount of propane to flow.
- 4. Position the torch:** Point the torch nozzle away from yourself, other people, and any flammable objects.
- 5. Ignite the torch:** Press the push-button piezo igniter to light the flame. If it does not ignite immediately, adjust the flame control knob slightly and try again.



1. Verify all valves are closed
2. Open cylinder valve slowly  
(1 full turn is enough for all tasks needed)
3. Open the knob about 1/8 of a turn  
(adjust as needed after ignition)
4. Leave Boost Control Lever at idle  
not pushed down
5. Ignite with Push Button Igniter

## **IMPORTANT!**

**Before igniting, point  
Torch away from a person  
and/or flammable materials**

**Image:** Step-by-step diagram illustrating the ignition process: 1. Verify all valves are closed. 2. Open cylinder valve slowly. 3. Open the torch knob about 1/8 of a turn. 4. Ensure the boost control lever is not pushed down. 5. Ignite with the push-button igniter. **Important:** Point the torch away from people and flammable materials before igniting.

6. **Adjust flame intensity:** Once ignited, use the flame control knob to adjust the flame to the desired intensity. For maximum heat (340,000 BTU), fully open the knob. The idle boost control lever can be used for momentary bursts of higher flame.
7. **Typical Applications:**

- **Weed Burning:** Briefly pass the flame over weeds. The goal is to heat the plant cells, not to incinerate the plant. The weeds will wilt and die within a few days.



**Image:** The Flame King torch being used to burn weeds growing in cracks on a paved surface.

- **Melting Ice and Snow:** Direct the flame onto ice or snow to melt it.



**Image:** The Flame King torch effectively melting a layer of snow and ice from a paved surface.

- **Roofing:** Use for heating and applying roofing materials.



**Image:** A worker using the Flame King torch for a roofing application, heating a roll of roofing material.

- **Paint Removal:** Heat paint to soften it for easier scraping.



**Image:** The Flame King torch being used to heat and remove paint from a surface, indicated by white lines on asphalt.

- **Thawing Pipes/Equipment:** Carefully apply heat to thaw frozen pipes or equipment, ensuring not to overheat or damage materials.

- **Lighting BBQs/Flame Pits:** Use to quickly ignite charcoal or wood in BBQs and flame pits.



**Image:** The Flame King torch igniting charcoal in a BBQ grill, demonstrating its use for starting fires.

8. **To shut down:** First, close the valve on the propane cylinder completely. Allow the flame to extinguish from the remaining gas in the hose. Then, close the flame control knob on the torch.
9. **Cool down:** Allow the torch to cool completely before handling or storing.

## MAINTENANCE

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Proper maintenance ensures the longevity and safe operation of your Flame King Propane Torch Kit:

- **Cleaning:** Keep the torch nozzle and air intake vents free from debris. Use a soft brush or cloth to clean the exterior. Do not use abrasive cleaners or solvents.
- **Hose Inspection:** Regularly inspect the propane hose for cuts, abrasions, cracks, or any signs of wear or damage. Replace the hose immediately if any damage is found.
- **Connection Inspection:** Periodically check all connections for tightness. Re-perform a leak test with soapy water if you suspect a leak or after prolonged storage.
- **Storage:** Disconnect the torch from the propane cylinder after each use. Store the torch in a clean, dry place, away from extreme temperatures and direct sunlight. Ensure the propane cylinder is stored separately in a well-ventilated area, away from ignition sources.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Torch does not ignite.	<ul style="list-style-type: none"> <li>◦ Propane cylinder valve is closed.</li> <li>◦ Flame control knob is closed.</li> <li>◦ Insufficient gas flow.</li> <li>◦ Piezo igniter is faulty or obstructed.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Open the propane cylinder valve.</li> <li>◦ Open the flame control knob slightly.</li> <li>◦ Ensure the cylinder has propane. Open cylinder valve further (up to half turn).</li> <li>◦ Check igniter for debris. If faulty, contact customer support.</li> </ul>

Problem	Possible Cause	Solution
Weak or inconsistent flame.	<ul style="list-style-type: none"> <li>◦ Low propane level in cylinder.</li> <li>◦ Partially closed cylinder valve.</li> <li>◦ Obstruction in nozzle or hose.</li> <li>◦ Hose kinked.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Replace or refill propane cylinder.</li> <li>◦ Fully open the propane cylinder valve (up to half turn).</li> <li>◦ Inspect and clear any obstructions.</li> <li>◦ Straighten the hose.</li> </ul>
Gas leak detected (hissing sound, smell of gas, or soapy bubbles).	<ul style="list-style-type: none"> <li>◦ Loose connections.</li> <li>◦ Damaged hose or fittings.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Immediately close the propane cylinder valve.</li> <li>◦ Tighten all connections.</li> <li>◦ Perform a leak test with soapy water.</li> <li>◦ If leak persists or hose/fittings are damaged, do not use. Contact customer support for replacement parts or service.</li> </ul>
Flame blows out easily.	<ul style="list-style-type: none"> <li>◦ Windy conditions.</li> <li>◦ Insufficient gas flow.</li> </ul>	<ul style="list-style-type: none"> <li>◦ Shield the flame from wind if possible.</li> <li>◦ Increase gas flow via the flame control knob.</li> </ul>

## PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	YSN340K
Heat Output	340,000 BTU
Ignition Type	Piezo Igniter (Self-Igniting)
Hose Length	10 feet
Compatibility	Standard liquid propane cylinders (5lbs, 10lbs, 20lbs, 30lbs, 40lbs, 60lbs, 100lbs)
Product Dimensions	104" L x 2.77" W x 3" H
Item Weight	2.9 pounds
Material	Iron, Plastic PA, Brass, Rubber
Maximum Temperature	2200 Degrees Fahrenheit
Certifications	CSA Certified

## WARRANTY INFORMATION

Flame King provides a **1-Year Manufacturer's Defect Warranty**. The manufacturer warrants Flame King Products (except paint and finish) to be free from defects in materials and workmanship for one year from the date of purchase. Please retain your proof of purchase for warranty claims.

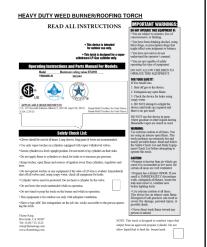
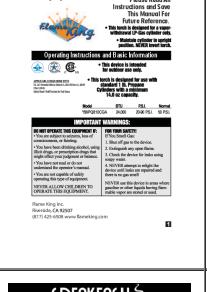
## CUSTOMER SUPPORT

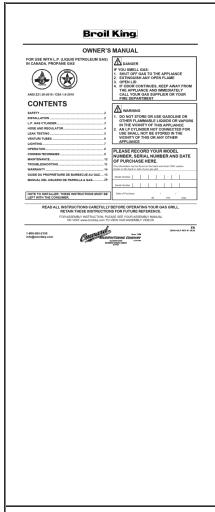
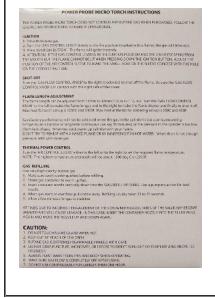
For technical assistance, warranty claims, or questions regarding your Flame King Propane Torch Kit, please visit the official Flame King website or contact their customer service department. Refer to the product packaging or the Flame King website for current contact information.

You can also visit the [Flame King Store on Amazon](#) for more product information.

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### Related Documents - YSN340K

	<p><a href="#">Heavy Duty Weed Burner/Roofing Torch YSN340K-AI - Operating Instructions and Safety Manual</a></p> <p>Comprehensive operating instructions, safety guidelines, and maintenance information for the Flame King Heavy Duty Weed Burner/Roofing Torch, Model YSN340K-AI. Includes connection, lighting, shut-off, and storage procedures.</p>
	<p><a href="#">Flame King YSN340K Auto-Ignition Heavy Duty Roofing Torch: Operating Instructions and Safety Guide</a></p> <p>Comprehensive operating instructions, safety warnings, and maintenance guidelines for the Flame King YSN340K auto-ignition heavy duty roofing torch. Learn how to safely connect, operate, and store the propane torch.</p>
	<p><a href="#">Flame King YSNPQ810CGA Self-Lighting Outdoor Torch Manual &amp; Safety Guide</a></p> <p>Comprehensive operating instructions, safety precautions, maintenance, and troubleshooting for the Flame King YSNPQ810CGA self-lighting outdoor propane torch. Learn how to safely use and care for your torch.</p>
	<p><a href="#">Speakeasy Torch User Guide and Safety Precautions</a></p> <p>Detailed instructions and essential safety precautions for operating the Speakeasy Torch. Learn how to ignite, adjust flame, refill, and store the TORCH-400 model safely.</p>

	<p><b>Broil King Owner's Manual</b></p> <p>This owner's manual provides comprehensive instructions for the safe assembly, operation, and maintenance of Broil King gas grills. It covers essential safety precautions, installation guidelines, LP gas cylinder handling, leak testing, burner maintenance, cooking techniques, and troubleshooting.</p>
	<p><b>Power Probe Micro Torch Operating Instructions and Safety Guide</b></p> <p>Detailed operating instructions and safety precautions for the Power Probe Micro Torch (PPMT), covering ignition, flame adjustment, gas refilling, and essential cautions.</p>

## Documents - Flame King - YSN340K

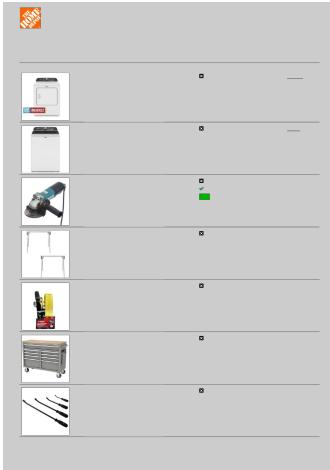


### [Flame King YSN340K Auto-Ignition Heavy Duty Roofing Torch: Operating Instructions and Safety Guide](#)

Comprehensive operating instructions, safety warnings, and maintenance guidelines for the Flame King YSN340K auto-ignition heavy duty roofing torch. Learn how to safely connect, operate, and store the propane torch.

lang:en score:31 filesize: 9.67 M page\_count: 8 document date: 2025-08-06

**NOTE:** The torch is designed to connect only to larger, more approved propane cylinders. Do not use liquid-fuel to feed the torch.

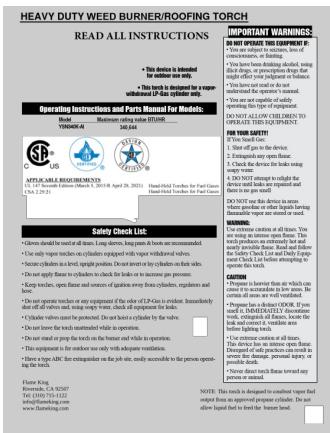


[pdf]

Wish List Shared a with You Items 17 Order Subtotal Flame King 340 000 BTU Propane Torch Self Igniting Turbo Blast Trigger and Flow Valve SKU 1006618993 Model YSN340K Internet 317903308 1 Not bf861150 e9cf 11ed 94ff 5b0088507bc8 homedepot customer list v1 sharelist |||

Wish List Shared a List with You Item Description Qty Whirlpool 7.0 cu.ft. vented Top Load Gas Dryer with Propane Torch Self Igniting 1 with Turbo Blast Trigger and Flow Valve SKU # 1006618993  
Model # **YSN340K** Internet # 317903308 Milwaukee 1,000 lbs. Capacity 4-in-1 Hand Truck 1  
SKU # 1000000836 ...

lang:en score:29 filesize: 121.26 K page\_count: 3 document date: 2025-07-05



## **Heavy Duty Weed Burner/Roofing Torch YSN340K-AI - Operating Instructions and Safety Manual**

Comprehensive operating instructions, safety guidelines, and maintenance information for the Flame King Heavy Duty Weed Burner/Roofing Torch, Model YSN340K-A1. Includes connection, lighting, shut-off, and storage procedures.

lang:en score:28 filesize: 1.04 M page count: 8 document date: 2025-09-03



[pdf] User Manual Owner's Manual

Owner Manual Flame King Propane Torch Kit Heavy Duty Burner 340 000 BTU with Piezo Igniter Self Igniting fkgt1094 YSN340KFlame YSN340Kysn340k product manualsecure img1 ag wfcdn dm document 43e687ed 5f26 4f4d 8af7 f9532f7cc198 ysn340k manual |||

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lang:en score:22 filesize: 8.86 M page\_count: 8 document date: 2022-06-20



[\[pdf\]](#) Specifications Accessories Catalog

Tanks RV Trailer Camping Weed Burners Torches Outdoors Heaters Hoses Accessories Flame King Product Catalog 2025 pub mediabox storage rxweb prd exhibitor document exh b456a511 a768 4f5f 969c ab3c6f4e9d3f 8a8a67ad 89f6 43cf 9021 2b5ac5ecf984 |||

Tanks RV Trailer Camping Weed Burners/Torches Outdoors Heaters Hoses Accessories i FLAMEKING.CO ... me Self ignition to allow for easy lighting Safety lever valve for added control and protection #**YSN340K** Weight: 3.49 lb Dimensions: 104 x 3 x 2.77 in, Case quantity: 6 pieces #**YSN340K** AI Propan...

lang:en score:20 filesize: 2.66 M page count: 36 document date: 2025-03-11