

PROPANE STOVE

Dual Burner with Manual Ignition

Model 35559

Dual Burner with Auto-Ignite

Model 35561

CLEANING, ASSEMBLY, AND OPERATION INSTRUCTIONS



⚠ DANGER

Using a propane stove indoors **CAN KILL YOU IN MINUTES.**

Stove exhaust contains carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a home, tent, camper, or garage, **EVEN IF** doors and windows are open.



Only use **OUTSIDE** and far away from windows, doors, and vents.

Visit our website at: <http://www.harborfreight.com>



Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.

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For technical questions or replacement parts, please call 1-800-444-3353.

Revised Manual 09I

SAVE THIS MANUAL

Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INSTRUCTIONS

In this manual, on the labeling, and all other information provided with this product:



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates a hazardous

situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a

hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION, used with the safety

alert symbol, indicates a hazardous situation which, if

not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.

CAUTION

CAUTION, without the safety alert symbol, is used to address practices not related to personal injury.

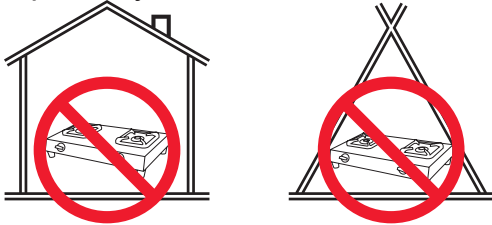
READ AND UNDERSTAND ALL INSTRUCTIONS

Improper assembly, installation, adjustment, alteration, service, use, or maintenance can cause property damage, **PERSONAL INJURY, or DEATH**. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. **When using this stove, safety precautions should always be followed, including the following:**

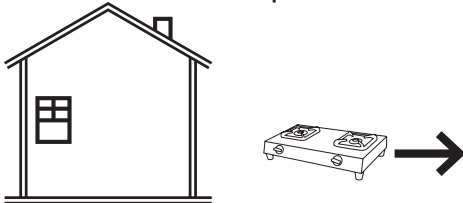
INHALATION HAZARDS

Carbon Monoxide Hazard

1.  **Using a propane stove indoors CAN KILL YOU IN MINUTES.**
Stove exhaust contains carbon monoxide. This is a poison you cannot see or smell.



NEVER use inside a home, tent, camper, or garage, EVEN IF doors and windows are open.



Only use OUTSIDE and far away from windows, doors, and vents.



2. Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness, or nausea. If you have these signs, the Propane Stove may not be working properly or is improperly vented. Get fresh air **immediately**.

Propane Gas

1. If you smell gas:
 - a. Shut off gas to the stove.
 - b. Extinguish any open flame.
 - c. Do not light a match or operate an electrical switch.
 - d. Evacuate the area at once.
 - e. Call for professional help.

2. Propane gas is a gas you cannot see or smell. Propane gas normally has an odorant added to aid detection. The odorant smells like “rotten eggs”. The odorant may fade over time, so leaking gas may not be detectable by smell alone.
3. Propane gas is heavier than air and will collect in low areas.


RISK OF FIRE AND/OR EXPLOSION

1.  **Do not store extra propane tanks in the vicinity of the Propane Stove.**
2.  **If gas is smelled during operation, immediately close the valve on the propane tank.** Propane gas is odorless. An odor-making agent is added to propane/LP gas to enable you to smell the gas if it may be leaking.
3. **If the Propane Stove shuts off during operation, close the valve on the propane tank. Check the amount of gas in the tank and wait 5 minutes for the gas to clear before restarting.** If it continues to shut off during operation, have it serviced by a qualified technician.
4. **Never place the Propane Stove within 15 feet of flammable objects such as wood, trees, overhangs, and umbrellas. This stove also requires a clearance of at least 3 feet from non-flammable materials to allow proper combustion.**
5. **Do not store propane near high heat, open flames, pilot lights,**

direct sunlight, other ignition sources or where temperatures exceed 120°F (49°C).

6. **Keep solid combustibles such as paper or cardboard a safe distance away from the Propane Stove. Never use the Stove in spaces which do or may contain volatile or airborne combustibles, or products such as gasoline, solvents, paint thinner, dust particles or unknown chemicals.**
7. **Operate the Propane Stove with the propane tank in its vertical upright position, on a non-combustible surface.** While in operation, do not tilt or lean the propane tank on its side. Never turn the tank upside down, not even when it seems empty, as this may cause clogging of valves and components which could lead to dangerous flare-ups or fire.
8. Do not install or remove the Propane tank while the stove is lighted, near flames, pilot lights or other ignition sources or while the stove is hot.
9. **This Propane Stove must be positioned and operated so that it is not directly exposed to water spray, rain, or dripping water.**
10. **Make sure to remove ALL packing materials before using the Propane Stove.**
11. **Do not refill the disposable propane cylinders.**
12. **Clothing or other flammable materials should not be hung from the Propane Stove or placed on or near the Stove.**

RISK OF BURNS -- STOVE GETS VERY HOT DURING USE

1.  **Do not attempt to move the Propane Stove while it is in operation.** Turn it off and wait one-half hour until it cools down before moving.
2. **Do not touch the Grill(s) or Burner(s) while the Propane Stove is lit.** Before servicing, wait one-half hour for the Propane Stove to cool down.
3. **Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.**
4. **Young children should be carefully supervised when they are in the area of the Propane Stove.**

GENERAL SAFETY WARNINGS AND PRECAUTIONS

1. This Propane Stove must be used only with HD-5 propane gas. The propane tank should hold no more than 20 pounds of LP gas. Do not use bulk tanks of larger capacity. Do not use any other fuel. The Stove must be used only with a vapor withdrawal LP propane tank equipped with a POL valve. The tank must be constructed and marked in such a way as to comply with the specifications for LP gas tanks by the U.S. Department of Transportation (DOT).

2. The use of the Propane Stove must be in conformity with local codes or, in the absence of local codes, with the standard for storage and Handling of Liquefied Petroleum Gases, ANSI/ NFPA 58. For Canada, the use must be in accordance with the current CAN/CGA B149.2 installation codes.
 3. **Keep children away.** Children must never be allowed in the work area. Do not let them handle, move, or adjust this product.
 4. **Store idle equipment.** When not in use, this product must be stored in a dry location to inhibit rust. Always lock up stoves and keep out of reach of children.
 5. Use this appliance only as a cooking device. Do not alter it in any way, or use with any accessory not specifically designed for this product.
 6. **Check for damaged parts.** Before using, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for any broken parts or mounting fixtures, and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the product if any switch does not turn on and off properly.
 7. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this product.
- Approved accessories are available from Harbor Freight Tools.
8. **Do not operate this product if under the influence of alcohol or drugs.** Read warning labels if taking prescription medicine to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not operate this product.
 9. **Maintenance.** For your safety, service and maintenance should be performed regularly by a qualified technician. The Propane Stove should be inspected before use and at least annually by a qualified service technician.
 10. Read these instructions carefully before setting up and using the Propane Stove. Do not allow anyone who has not read the instructions to assemble, light, or operate the Stove.
 11. More frequent cleaning may be required as necessary. It is imperative that the Burner(s), Temperature Control Knob(s), Piezo Ignition, and circulating fuel/air passageways of the Propane Stove should be kept clean.
 12. The brass components of this product contain lead, a chemical known to the State of California to cause birth defects (or other reproductive harm). (California Health & Safety Code § 25249.5, *et seq.*)

SPECIFICATIONS

Model	35559	35561
Ignition System	Manual (Light w/ Matches)	Piezo Electric (Matchless Ignition)
Fuel Source	Standard LP Gas Tank (not included)	
Compatibility	For Use With UL Listed: Model 97333 LP Regulator & Hose Kit (not included)	
BTU per burner	15,000 Maximum	
Number of Burners	2	

UNPACKING

When unpacking, make sure that the item is intact and undamaged. If any parts are missing or broken, please call Harbor Freight Tools at 1-800-444-3353 as soon as possible.

ASSEMBLY INSTRUCTIONS

WARNING! Close the valve on the propane tank (not included) prior to assembling, performing maintenance, or making any adjustments to the stove.

CAUTION! This product is machine manufactured. Be aware of sharp edges. Use heavy-duty work gloves and ANSI-approved safety goggles when assembling.

1. Turn the Propane Stove upside down, and attach a Rubber Foot (7) to each corner of the unit.
2. To attach the Temperature Control Knobs (4), insert the Knob onto the Burner Control Shaft by aligning the flat edges of the Knob and Shaft. Make sure that the Knobs are seated properly. **(See Figure A.)**

WARNING: The Propane Stove requires the attachment and use of the **Model 97333 LP Regulator & Hose Kit** (UL Listed) which are sold separately by Harbor Freight Tools. **(See Figure A.)**

3. To attach the Model 97333 LP Regulator & Hose Kit to the Propane Stove, remove the plastic protective cap from the Inlet Connection Nozzle (5) on the Stove. Then, screw the Hose Connector firmly onto the Inlet Connection Nozzle. **(See Figure A.)**

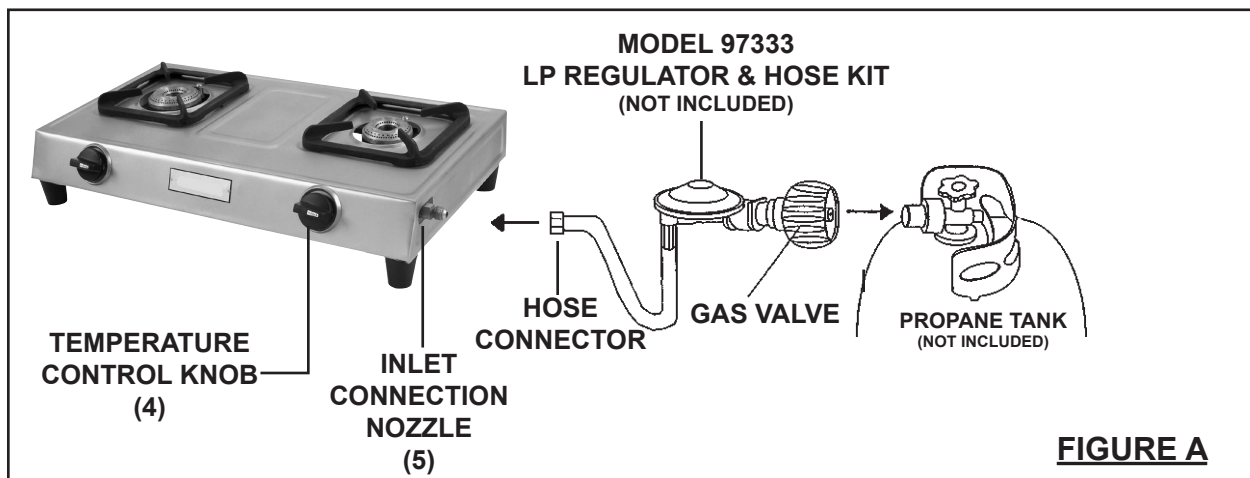


FIGURE A

REV. 09I

SKU 35559
35561

For technical questions, please call 1-800-444-3353.

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NOTE: The propane tank used must be constructed and marked in accordance with the specifications for LP propane cylinders by the U.S. Department of Transportation. Use 16.4 oz disposable propane cylinder tanks.

4. To connect to the propane tank, first make sure the Control Knobs (4) of the Propane Stove are “**OFF**”. Then, screw the Gas Valve of the LP Regulator & Hose Kit firmly onto the propane tank’s discharge pipe. (**See Figure A.**)

OPERATING INSTRUCTIONS

CAUTION! Only use clean equipment and utensils. Before using the Propane Stove, and after using this product, clean all parts in warm, clean water and anti-bacterial soap. Then, thoroughly dry.

NOTE: High altitudes affect cooking efficiency.

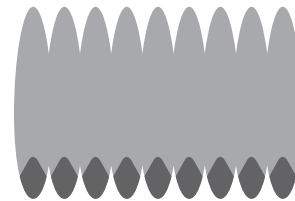
1. Locate the Propane Stove and propane tank on a clean, dry, level surface capable of supporting the weight of the Stove, the utensils and the propane tank. Keep the Propane Stove and propane tank away from other flammable objects.
2. Check to make sure the Temperature Control Knob (4) on the Propane Stove is in its “**OFF**” position. Open the gas valve on the propane tank and check and smell for gas leaks. Perform a bubble test by applying warm soapy water over every joint, regulator, fitting, and anywhere else there may be a possible leak. Observe carefully to see if bubbles expand, indicating a leak. A large leak can blow the soapy solution away instead of forming bubbles. If leaks are found, do not use the Propane Stove until the leaks have been stopped. After testing, make sure to close the gas valve on the propane tank.
3. For the manual ignition model (SKU 35559), open the gas valve on the propane tank. Apply a lighted match to the Burner (2) which is to be lit. Next, push the Temperature Control Knob (4) and turn it counterclockwise to its “**ON**” position. Once the Burner

is lit, safely dispose of the match and adjust the Temperature Control Knob to the desired setting.

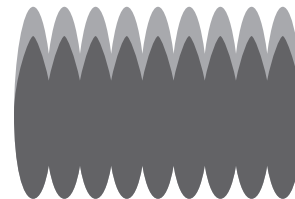
4. For Piezo Electric ignition model (SKU 35561), a Burner (2) can be lit by pushing and turning the Temperature Control Knob (4) to its “**ON**” position without having to use a match. Once the Burner is lit, adjust the Temperature Control Knob to the desired setting.

NOTE: For both models, if the Burner does not ignite, turn the Temperature Control Knob to its “**OFF**” position and wait 5 minutes before trying again.

■ = Yellow/Orange Flames
■ = Blue Flames



**Improper Flames
(Yellow Flames)**



**Proper Flames
(Yellow tips on the top of the blue flames)**

FIGURE B

5. **During each use**, visually check the burner’s flame. If the flames look improper, have the Propane Stove serviced by a qualified technician before use. **(See Figure B.)**

6. While cooking, avoid spills as this may result in extinguishing the flame and clogging the Burner holes.
7. Before removing a pan from the Burner (2), or when finished using the Propane Stove, turn the Temperature Control Knob (4) to its “OFF” position. Then, close the gas valve on the propane tank.
8. To store, turn off the propane tank and remove it from the stove. Store propane tanks outdoors in a well-ventilated area out of reach of children. Disconnected propane tanks must have threaded valve plugs (not included) tightly installed, and must not be stored in a building, garage, or any other enclosed area. Store the stove in a safe dry place, covered to protect it from dust and dirt.



WARNING! Do not attempt to move the Propane Stove while it is on or while it is hot. Do not touch any area of the Burner (2), Grill (3), or top of the Stove's Body (1). Serious burns will occur. Turn the Propane Stove off and wait one-half hour until it cools down before moving.

INSPECTION, MAINTENANCE, AND CLEANING

1. **Any guard or other protective device removed for servicing the Propane Stove must be replaced prior to operating the Stove.**
2. **Before each use**, check all gas fittings for tightness.
3. **Before each use**, check for cracks, excessive abrasion or wear, and any other damage.
4. **Before and after each use:** Before using the Propane Stove, and after using this product, clean all parts in warm, clean water and anti-bacterial soap.
5. **Store the Propane Stove** in a clean, dry location out of reach of children. If storing the unit indoors, first shut off and remove the propane tank and leave it outdoors. Keep the area near the Propane Stove clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
6. **CAUTION: All maintenance, service, or repairs not listed in this manual are only to be attempted by a qualified service technician.**

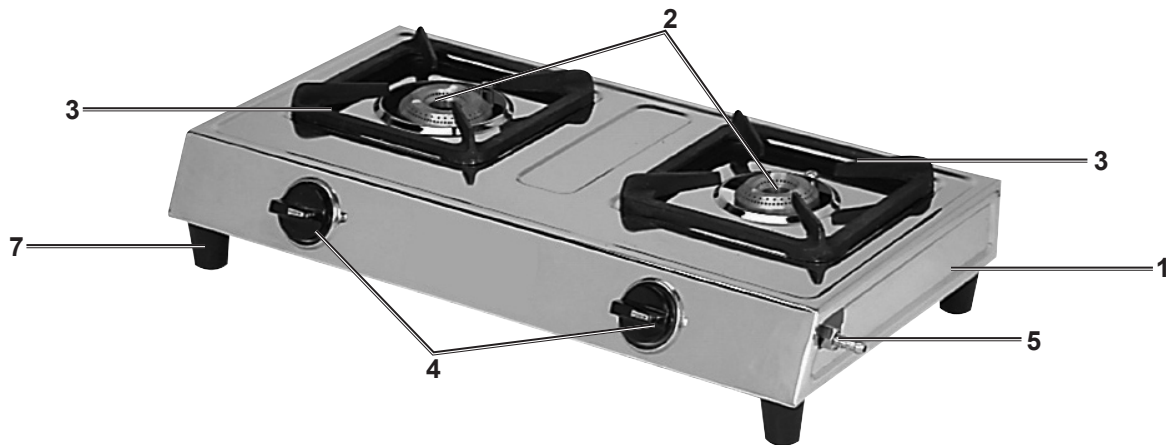
PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISKS AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

PARTS LISTS AND ASSEMBLY DIAGRAMS

IMPORTANT: When ordering parts, specify Model Number and Part Number.

Part	Description	Qty
1	Body	1
2	Burner	2
3	Grill	2
4	Temperature Control Knob	2
5	Inlet Connection Nozzle	1
6	Pipe Assembly	2
7	Rubber Foot	4
8	Piezo Electric Start Assembly (model 35561 only)	1



6: Pipe Assembly (Not shown - hidden beneath body).

8: Piezo Electric Start Assembly (Not shown).

NOTE: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.