

INFRARED UNVENTED GAS HEATERS OWNERS MANUAL

EQUIPPED WITH OXYGEN DEPLETION SYSTEM

MODEL NUMBERS:

UPH 60 N/L

UPH 180 N/L

UPH 300 N/L

- SAFETY RULES
- INSTALLATION
- USE
- CARE AND UPKEEP
- REPAIR PARTS

IMPORTANT-FOR YOUR SAFETY

If you smell gas...

1. Open windows
2. Don't touch electrical switches
3. Extinguish any open flames
4. Immediately call your gas supplier.

FOR YOUR SAFETY...

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

DANGER!

Improper Installation and Ventilation Can Result In Carbon Monoxide Poisoning and Death. Use Qualified Installer. See And Follow Instructions.



UNITED STATES STOVE COMPANY

P.O. BOX 5349

CHATTANOOGA, TN 37406

(615) 698-3435

Warnock Hersey



85734 8/90

WARNING

All gas appliances can produce carbon monoxide and other products of combustion. High levels of carbon monoxide can cause sickness, serious injury and even death. When properly installed and maintained, your heater should not produce dangerous levels of carbon monoxide. Because carbon monoxide is so dangerous, however, you should read and follow these instructions carefully.

Always-

1. Use a qualified (licensed or trained) person to install and annually inspect your heater.
2. Open a window in the room where your heater is located to provide a minimum of one square inch of opening for each 1,000 BTU of input to the heater. See window chart on page 7.
3. Read and follow these instructions.

The symptoms of carbon monoxide poisoning can include headache, nausea (sick at the stomach) and general tiredness. If these symptoms occur, shut off your heater immediately and have it checked by a qualified (licensed or trained) serviceman.

DANGER SIGNS

SIGNS	DANGER
YELLOW FLAMES	POISON CARBON MONOXIDE
STREAMING LONG FLAMES	POISON CARBON MONOXIDE
LIFTING FLOATING FLAMES	POISON CARBON MONOXIDE
FLAME HITTING METAL INSIDE HEATER	POISON CARBON MONOXIDE
GAS SMELL	EXPLOSION AND FIRE
ROARING SOUND OF FLAMES	POISON CARBON MONOXIDE
DIRTY YELLOW FLAMES	POISON CARBON MONOXIDE
SOOT INSIDE HEATER	POISON CARBON MONOXIDE

Watch for these danger signs. If you see any of these signs, turn your heater completely off and call a qualified (licensed or trained) serviceman.

NOTE: Ceramic plaque burners make a low pitched buzzing sound when operating correctly. This is normal provided the flame appears as illustrated by "CORRECT APPEARANCE" on page 8 of this manual.

RULES FOR SAFE INSTALLATION AND USE

READ THIS ENTIRE MANUAL BEFORE INSTALLING AND USING YOUR GAS HEATER. WARNING: FAILURE TO FOLLOW INSTRUCTIONS CAN RESULT IN PROPERTY DAMAGE, BODILY INJURY OR EVEN DEATH.

SAFE INSTALLATION

1. Only a qualified (licensed or trained) person should install your gas heater. The installation must meet all local codes. If there is no local code, use National Fuel Gas Code ANSI Z223.1-1984. Improper installation can cause dangerous gas leaks and carbon monoxide which can cause serious injury or death.
2. Never put this heater in a room without a window that opens. Without fresh (outside) air the heater will produce dangerous amounts of carbon monoxide. Place the heater where people do not walk often and away from drapes and furniture to prevent burns or fires. Locate the heater on an outside wall for the most efficient operation.
3. Do not install this heater in a mobile home. Never install or use this heater in a room where people sleep. If a problem should occur, the person asleep might be poisoned by carbon monoxide and be injured or die without waking up.
4. Connect the heater to the correct type gas. Never use LP gas with a natural gas heater. Never use a natural gas with an LP heater. See the silver and black plate on the back panel of your heater. This tells you whether your heater is equipped for LP or natural gas. The wrong gas can produce dangerous amounts of carbon monoxide.
5. When installing the heater on a combustible floor (wood, carpeting, tile or other combustible material), always put it on a stoveboard (fireproof material) which can be bought at stores selling heating parts. This protects the floor from heat damage and accidentally catching fire. The stoveboard should extend the full width and depth of the appliance.
6. To prevent fires always keep at least 36 inches from the top of the heater to anything that can catch fire. When installed on the wall, keep at least 3 inches from the top surface of carpeting, tile etc. to bottom of heater. Keep at least 12 inches from side of heater to side wall. When installed free standing, be sure optional base is attached to heater. See Fig. 1 & 2 for additional information. Do not place the heater in any space where air cannot circulate around the heater.
7. Objects near the heater absorb infra-red rays - much like sunlight - and become warm. It is important, and essential to avoid the risk of fire, to keep all objects that might catch fire at least three feet (36 inches) away from the heater. This includes all furniture; books, papers and magazines; and carpets and drapes. Any object that becomes hot to the touch should be moved further away from the heater.
8. Install the gas supply according to local codes and this manual to prevent explosions.

SAFE USE

1. This heater can be dangerous even if properly installed unless all directions are followed. Always provide fresh (outside) air from an open window which is in the same room with the heater. See the window opening chart on page 7 so you can tell how far the window should be opened. Without fresh air, your heater can produce dangerous amounts of carbon monoxide.
2. This heater's burner sends out infra-red rays- much like the sun. These rays are absorbed and produce heat. Do not leave young children, invalids, the elderly or any person who cannot move easily in front of this heater. Under certain conditions injuries or burns could result if the person in front of the heater cannot move away when warm.
3. Never store or use gasoline or any flammable liquids near this heater. These materials can explode.
4. Keep children away from your heater. They could touch or fall against the heater and be burned. Do not stand near the heater with long flowing clothes like gowns or robes. Your clothes could catch fire and you could be burned.
5. If at any time you should smell gas, open windows, don't touch electrical switches, put out any open flames and turn your heater completely off. Then call your gas company.
6. Do not place furniture, drapes or other flammable objects closer than three feet to the heater. They could catch fire.

The symptoms of carbon monoxide poisoning can include headaches, nausea (sick-at-the-stomach) and general tiredness. If any of these symptoms occur, you should turn your heater and any other gas appliance completely off and call a qualified (licensed or trained) serviceman.

SAFE CLEANING AND UPKEEP

1. Clean the heater completely at least twice a year. Follow the cleaning procedure only when the heater is completely off. See page 8 for cleaning instructions.
2. Have your heater checked once a year by a qualified (licensed or trained) serviceman. Do this before cold weather.

Note to the qualified (licensed or trained) installer. The heater and its shut off valve must be disconnected from the gas supply piping system during any pressure testing of that system in excess of 1/2 psig. The heater must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig.

READ THIS ENTIRE BOOK BEFORE STARTING INSTALLATION INSTALLATION

Use only a qualified (licensed or trained) person. Make sure that local building codes are met by the installer. If there is no local code, use the National Fuel Gas Code Z223.1-1984.

SAFE INSTALLATION

1. Your heater is shipped from the factory completely assembled.
2. Select location for heater and proceed with connection to gas piping. Refer to Fig. 1&2 for minimum clearances to combustibles.
3. Before lighting pilot on heater check all gas line connections up to the heater gas valve (with the gas service turned on) for leaks. Use soapy water. Do not use a flame. Brush soapy water on connections. A gas leak will cause the soap to form bubbles. Correct all gas leaks no matter how small.
4. After the pilot burner is lit and all burners are on, brush soapy water on all gas line connections inside of heater. Although the heater was fire tested at the factory and these connections were tight, it is possible that rough handling and vibration in shipping could cause leaks. If any leaks are found these must be corrected before using the heater.

LOCATION

Do not install the heater in a bedroom or areas where people will be sleeping. In case of a problem a sleeping person could be injured or die without waking.

Make sure the location gives 12" inches of clear space between the heater side and the wall. Make sure that nothing is closer than three feet to the top of the heater. See Fig. 1

Objects near the heater absorb infra-red rays-much like sunlight-and become warm. It is important, and essential to avoid the risk of fire, to keep all objects that might catch fire at least three feet (36 inches) away from the heater. This includes all furniture; books, papers and magazines; and carpets and drapes. Any object that becomes hot to the touch should be moved further away from the heater.

Keep heater area clear and free from combustible materials, gasoline and other flammable vapors and liquids.

IMPORTANT

Be sure if you have a heater designed to use natural gas that it is connected on a natural gas supply pipe. If it is an LP designed heater be sure that only LP gas is used with heater.

CLEARANCES

Clearances from combustible materials must be a minimum of:

- 12" From one side, 18" from opposite side
- 36" From the top
- 0" Floor mounted, with optional base attached
- 3" Wall mounted, without base

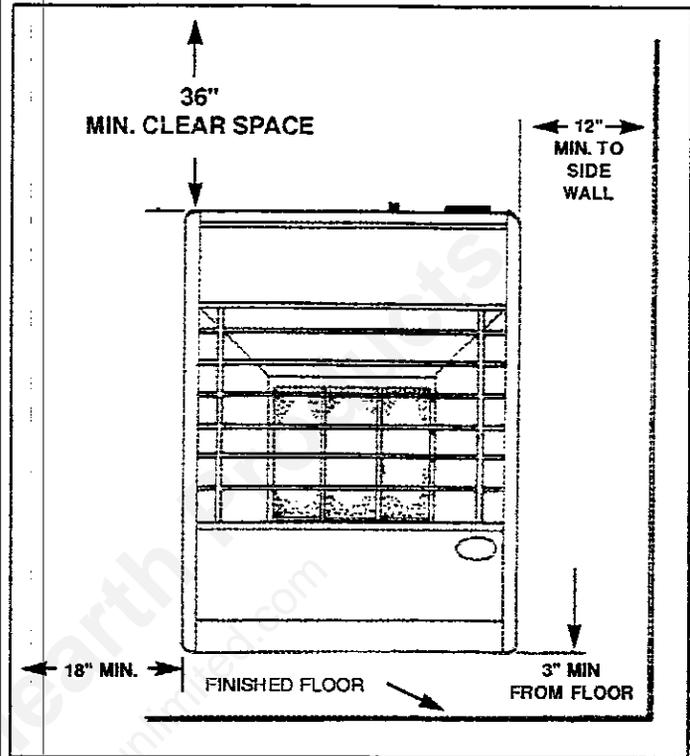


FIG. 1

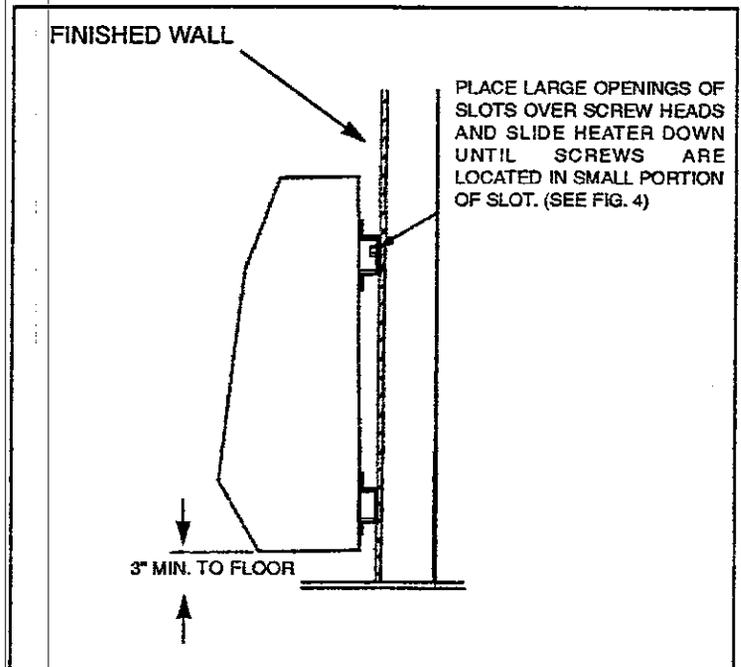
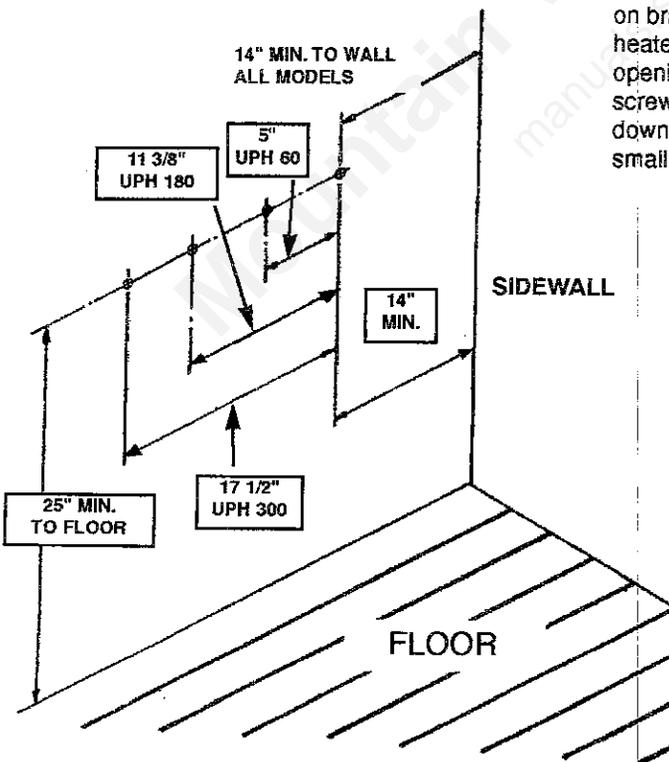
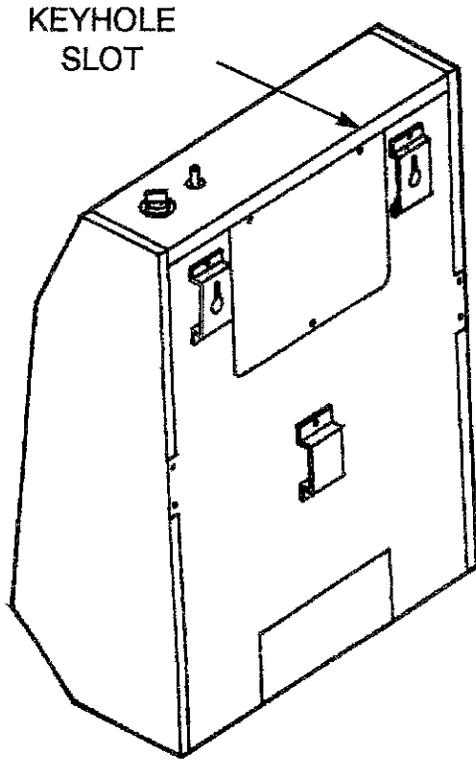


FIG. 2

INSTALLING HEATER TO WALL

FIG. 4



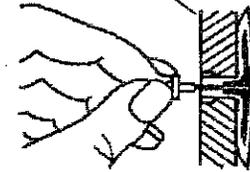
STEP 1. After determining where the heater is to be located, mark locations of holes using chart with model numbers (Fig. 3). Layout holes and mark, be sure the model number on the drill chart corresponds with your heater model number.

STEP 2. After reading all instructions below, drill at the marked locations. Install the anchors, spacers and the two (2) screws, leaving 1/16" space between screw and spacer.

1. Use 5/16" drill bit to drill holes. For solid walls (concrete, masonry, etc.) drill a minimum of 1" deep.
2. Fold anchor as shown
3. Insert anchor into hole and tap in flush to wall. (see ill).
4. For thin walls, 1/8" to 1/4" thick, insert red key and push to "pop" out anchor wing. **DO NOT HAMMER KEY.** For thick walls (over 1/4" thick) do not use red key.



Hollow Wall
(1/8" to 1/4" thick)



5. Put a spacer between the anchor and the screw. Tighten screws until a 1/16" space or about the thickness of a penny is between the screw head and the spacer as shown.

6. Two key hole slots are located on brackets on rear panel of heater. (see Fig. 4) Place the large openings of the slots over the screw heads and slide heater down until screws are located in small portion of key hole slot.

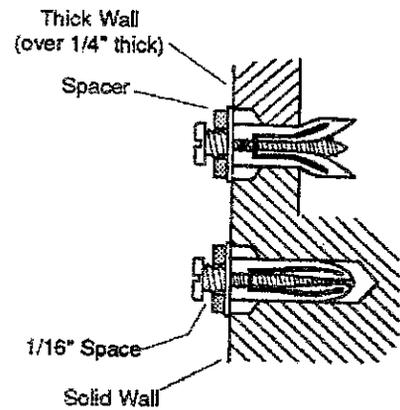


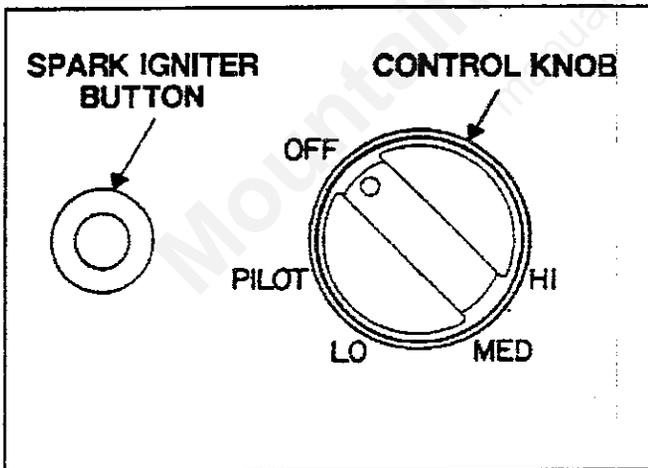
FIG. 5

INSTALLING ANCHORS AND MOUNTING SCREWS

FIG. 3

HOW TO LIGHT AND SHUTDOWN THE HEATER

1. Before attempting to light pilot always turn gas valve control knob located on top of heater to the "OFF" position and wait five minutes in order to let any gas which may have accumulated dissipate.
2. Depress the control knob and turn to "Pilot" position.
3. While depressing the control knob in the "Pilot" position wait 20 seconds to allow gas to flow to pilot.
4. Continue to depress control knob while pushing in and releasing piezo ignition button located adjacent to control knob. Continue pressing and releasing button until pilot lights. Keep the control knob depressed for 30 seconds after the pilot lights.
5. Release the control knob. The pilot should remain lighted. NOTE: When heater is first put in service it may take longer for pilot to light due to air in the lines.
6. To operate burners slightly depress the control knob and turn counterclockwise to "LOW", "MEDIUM", or "HIGH".
7. To turn heater "OFF", slightly depress control knob and turn clockwise to "PILOT" then depress knob all the way and turn to "OFF".
8. Always wait five minutes to relight pilot after control knob has been in the "OFF" position.



IMPORTANT

Your heater is equipped with a Safety Pilot. If the pilot should go out, the control will close and no gas will flow to the burner. If your gas supply should be stopped for any reason, it will be necessary to relight the pilot when the gas supply service comes on again.

SAFE USE

Whenever you use your heater, a window must be opened to give the heater fresh (outside) air. The window that is opened must be in the same room as the heater. If a window isn't opened when using your heater, all the air could be used up and the heater could produce poisonous gas, carbon monoxide, and you could be suffocated.

Look at this window opening chart. Use it to find out how far to open a window.

WINDOW OPENING CHART

Open a window in the room where your heater is located. Measure the width of the opening in inches. See Figure 6. If you do not know the size of your heater, you will find your heater size under the "Input BTU" space on the black and silver rating plate on the lower inside of your heater.

Find your window opening width on the chart below. If your window width is not on the chart, use the next smallest size. Look down under your window width on the chart until you find the figure across from the size of your heater. This figure is how many inches your window should be raised when the heater is in use.

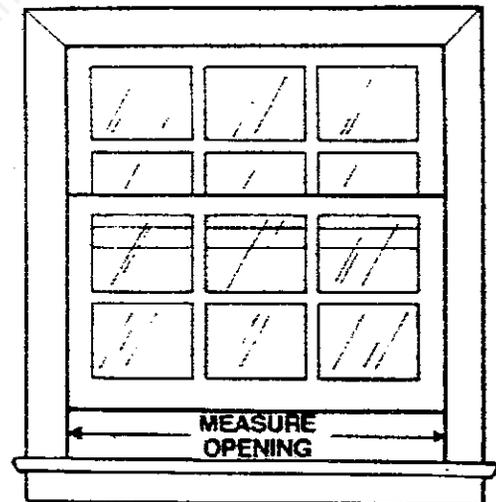


FIG. 6
MEASURING WINDOW OPENING WIDTH
(WIDTH OF WINDOW OPENING)

SIZE OF HEATER	20"	24"	26"	30"	33"	36"
	RAISE	RAISE	RAISE	RAISE	RAISE	RAISE
6,000 BTU	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
18,000 BTU	1"	1"	1"	3/4"	3/4"	3/4"
30,000 BTU	1 1/2"	1 1/4"	1 1/4"	1"	1"	1"

There must be adequate clearance around air openings, clearances from and protection of combustible material, provision for accessibility and for combustion and ventilating air.

TO THE QUALIFIED (LICENSED OR TRAINED) INSTALLER

PIPE SIZES FOR GAS SUPPLY

6,000 BTU	3/8" PIPE
18,000 BTU	3/8" PIPE
30,000 BTU	3/8" PIPE

Connect the heater to the proper size supply pipe using the correct code methods. The piping should be approved for LP gas. The piping should be suited to a working pressure of not less than 125 pounds per square inch.

Use pipe thread compound that will provide a pure non-metallic film. Do not use ordinary pipe dope in pipe connections. Use pipe dope approved for use on LP gas such as John Crane PLS #2 or LA-CO Pipetite Paste.

Do not use flexible pipe under any conditions. Flexible pipe can wear and leak gas.

Install a stopcock or cutoff in the gas pipe between the heater and the wall for ease in servicing and installation.

Install a ground joint union and drip leg in the gas pipe supplying the heater. Consult the National Fuel Gas Code Z223. 1-1984.

All connections must be checked for gas leaks before the heater pilot is lighted and after lighting. Use soapy water solution and watch for bubbles to check for gas leaks.

DO NOT USE OPEN FLAME TO CHECK FOR LEAKS.

GAS LEAKS CAN CAUSE FIRE AND EXPLOSION WITH INJURY, PROPERTY DAMAGE, AND EVEN DEATH!

CLEANING PROCEDURE

It is essential that your heater be cleaned thoroughly twice a year. If you do not clean your heater, the dirt could cause dangerous amounts of deadly carbon monoxide to be formed. This gas could cause serious injury or even death. If you do not clean your heater yourself, call a qualified serviceman and tell him you want your heater thoroughly cleaned and inspected. **REMEMBER: A dirty heater is a dangerous heater.**

Installation and repair should be done by a qualified service person. The room heater should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the room heater be kept clean.

Before beginning to clean, make sure the heater is completely off. See the shutdown instructions on page 7. Check to make sure both the pilot and burner are out before beginning to clean. If the heater has been operating, let it get completely cool before starting to clean.

HEATER SERVICING

If you smell gas-turn off the heater. Do not touch light switches. Extinguish all flames. Open windows and call gas company. Do not use the heater until the gas supply and heater have been checked and repaired.

Get fresh air at once and have the heater serviced.

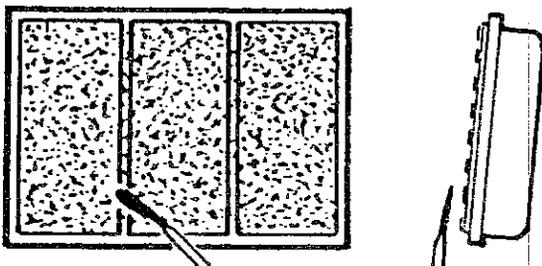
If it is necessary to remove the burner for servicing, the heater must be disconnected.

This can be accomplished by shutting off gas supply, disconnecting union and removing heater from wall.

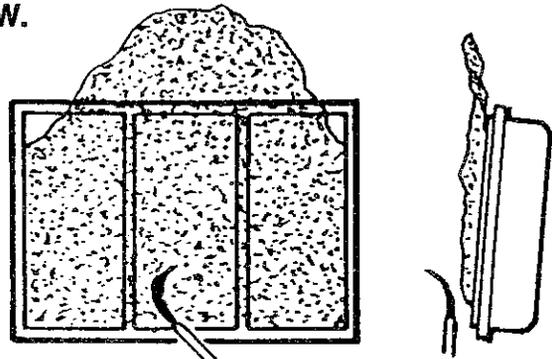
PERIODIC VISUAL CHECK

The burner must burn evenly; over the entire surface when operating correctly. The pilot flame must burn with a clear blue flame.

NOTE: FLAME SHOULD BURN BLUE ON FACE OF CERAMICS. SOME FLAME ABOVE CERAMICS IS SATISFACTORY IF FLAME IS BLUE. NEVER OPERATE HEATER IF FLAME IS YELLOW.



CORRECT APPEARANCE



INCORRECT APPEARANCE

Due to high temperatures, the room heater should be located out of traffic and away from furniture and draperies.

Children and adults should be alerted to the hazard of high surface temperature and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the same room with the room heater.

Do not place clothing or other flammable material on or near the room heater.

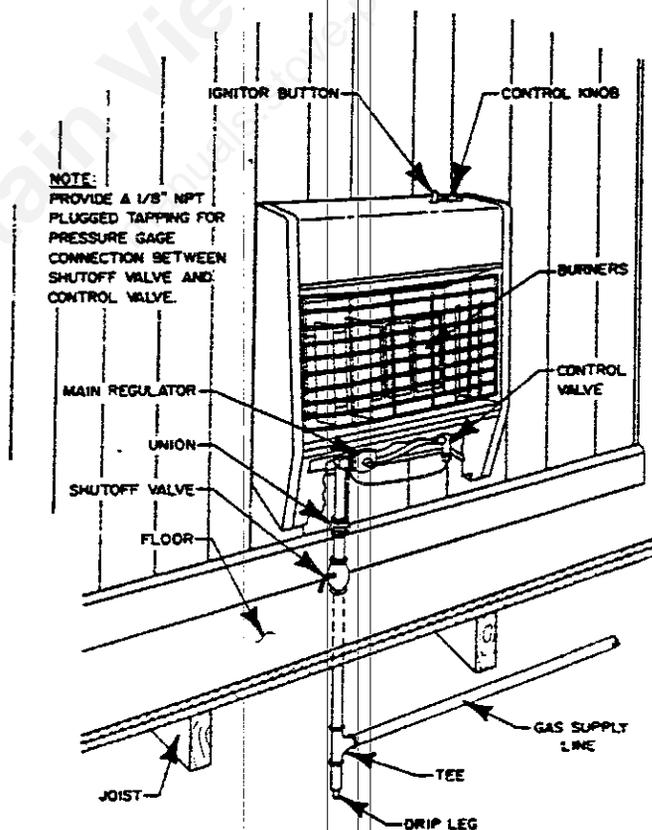
Any safety screen or guard removed for servicing a room heater must be replaced prior to operating the heater.

Installation and repair should be done by a qualified service person. The room heater should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the room heater be kept clean.

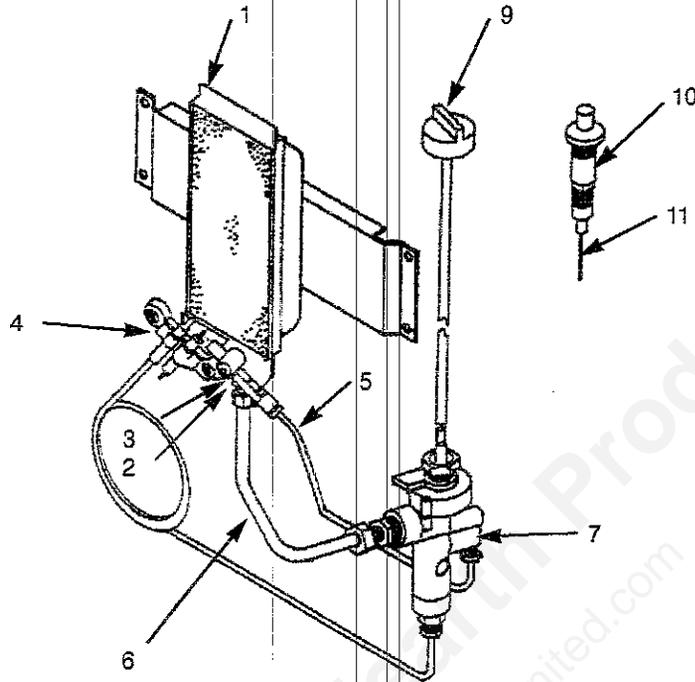
WARNING: Any change to this heater or its controls can be dangerous.

In order to provide safe clearances from combustible materials, adequate clearances around air openings and to provide for accessibility; do not install heater so anything will be closer than 6" to the side, 36" to the top and 36" to the front of the heater.

For combustion and ventilating air supply, provide fresh air from outside the house (see window chart on page 7).

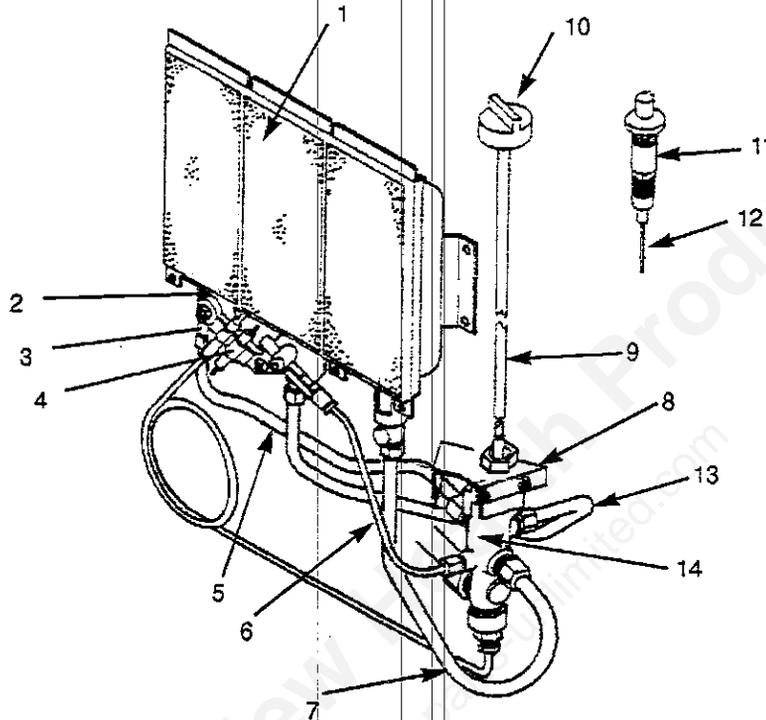


Repair Parts UPH 60 N/L



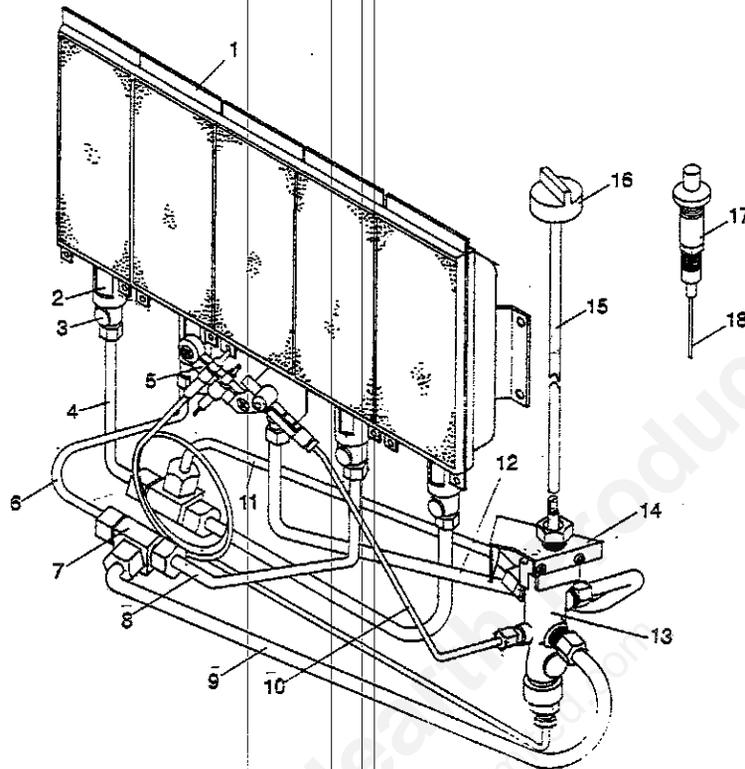
Key No.	Description	Qty.	Part No.
1	Burner Assy.	1	68568
2	Orifice Nat.	1	81149
	Orifice L.P.	1	81150
3	Orifice Holder	1	81155
4	O.D.S. Pilot Nat.	1	81152
	O.D.S. Pilot L.P.	1	81151
5	Pilot Tubing	1	23202
6	Burner Tubing	1	23200
7	Control Valve	1	81166
8	Control Rod	1	86441
9	Control Knob	1	89467
10	Piezo Ignitor w/nut	1	81145
11	Piezo Wire	1	81157
*12	Main Press. Reg. Nat.	1	81143
*	Main Press. Reg. L.P.	1	81142
*13	Regulator, Pilot Nat.	1	81144
	*Not Shown		

Repair Parts UPH 180 N/L



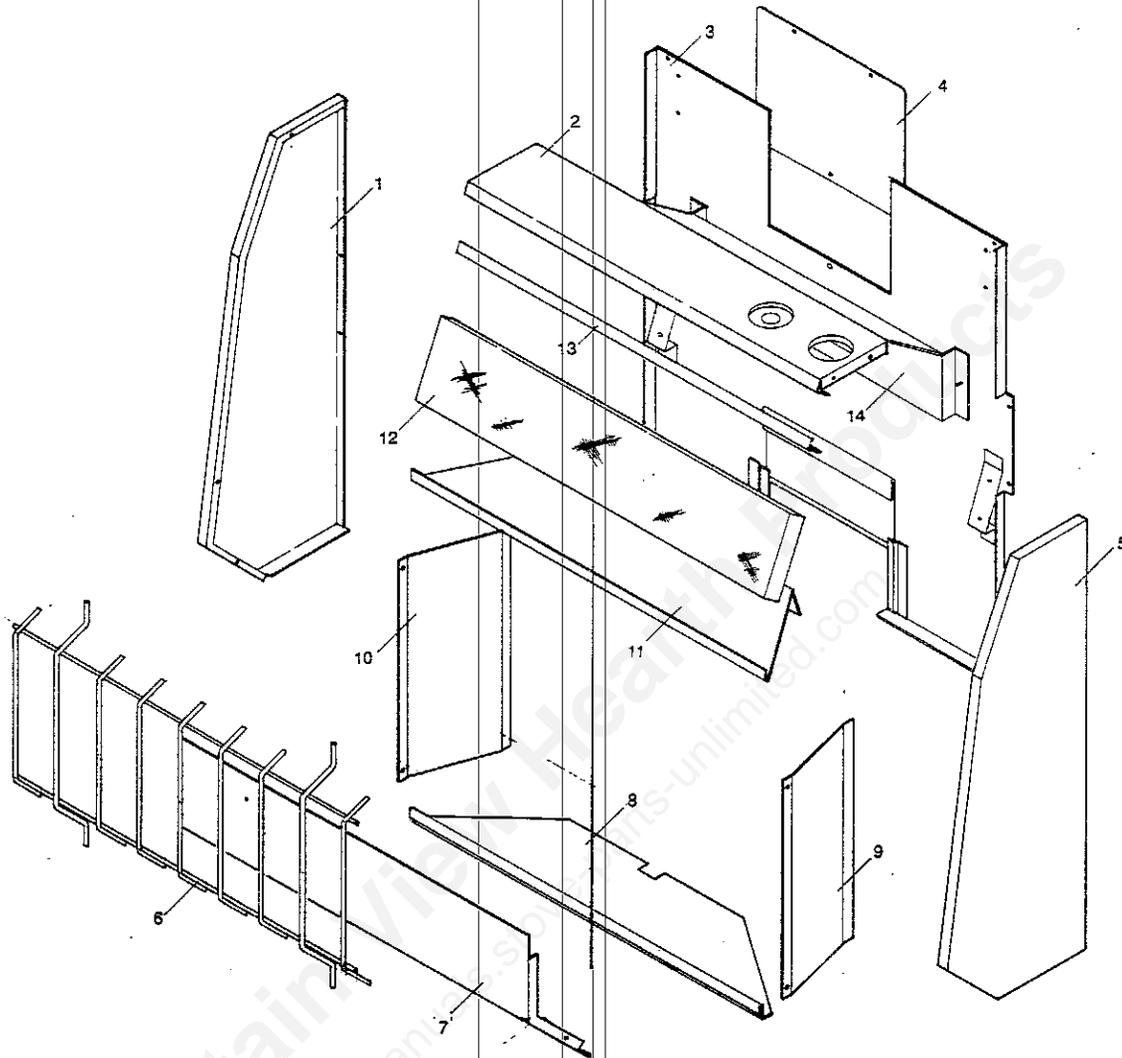
Key No.	Description	Qty.	Part No.
1	Burner Assy. (3 Plaque)	1	68540
2	Orifice Nat.	3	81149
	Orifice L.P.	3	81150
3	Orifice Holder Plain	2	81155
	Orifice Holder w/tap	1	81156
4	ODS Pilot Nat.	1	81152
	ODS Pilot L.P.	1	81151
5	Burner Tubing	1	23119
6	Pilot Tubing	1	23202
7	Burner Tubing	1	23199
8	Control Valve Bracket	1	23291
9	Control Rod	1	86441
10	Control Knob	1	89467
11	Piezo Ignitor w/nut	1	81145
12	Piezo Wire	1	81157
13	Burner Tubing	1	23200
14	Control Valve	1	81153
*15	Main Press, Regulator Nat.	1	81143
	Main Press, Regulator L.P.	1	81142
*16	Regulator, Pilot Nat.	1	81144
	*NOT SHOWN		

Repair Parts UPH 300 N/L



Key No.	Description	Qty.	Part No.
1	Burner Assy. (5 Plaque)	1	68527
2	Orifice Nat.	5	81149
	Orifice L.P.	5	81150
3	Orifice Holder Plain	4	81155
	Orifice Holder w/tap	1	81156
4	Burner Tubing	1	23200
5	ODS Pilot Nat.	1	81152
	ODS Pilot L.P.	1	81151
6	Burner Tubing	1	23200
7	Fitting Tee	2	81160
8	Burner Tubing	1	23200
9	Burner Tubing	1	23198
10	Pilot Tubing	1	23202
11	Burner Tubing	1	23200
12	Burner Tubing	1	23199
13	Control Valve	1	81153
14	Control Valve Bracket	1	23291
15	Control Rod	1	86441
16	Control Knob	1	89467
17	Piezo Ignitor w/nut	1	81145
18	Piezo Wire	1	81157
*19	Main Pressure Regulator Nat.	1	81143
*	Main Pressure Regulator L.P.	1	81142
*20	Regulator, Pilot Nat. Only	1	81144
*	Not Shown		

Repair Parts - Cabinet (All Models)



Key No.	Description	UPH 60	UPH 180	UPH 300
1	Left Side	23133	23133	23133
2	Top Panel	23314	23161	23148
3	Back Panel	23312	23183	23182
4	Cover Plate	-	23188	23188
5	Right Side	23132	23132	23132
6	Dress Guard	89499	89497	89468
7	Bottom Panel	23316	23178	23177
8	Bottom Frame	23309	23179	23166
9	Side Frame	23165	23165	23165
10	Side Frame	23165	23165	23165
11	Top Frame	23310	23180	23167
12	Screen	23313	23162	23163
13	Screen Trim	23315	23160	23159
14	Heat Shield	23308	23187	23186
15	Instruction Manual	85734	85734	85734

Owners manual

HOW TO ORDER REPAIR PARTS

THIS MANUAL WILL HELP YOU TO OBTAIN EFFICIENT, DEPENDABLE SERVICE FROM THE HEATER, AND ENABLE YOU TO ORDER REPAIR PARTS CORRECTLY.

KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

WHEN WRITING, ALWAYS GIVE THE FULL MODEL NUMBER WHICH IS ON THE NAMEPLATE ATTACHED TO THE BACK PANEL OF THE HEATER.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER
2. The PART DESCRIPTION
3. The MODEL NUMBER:

- UPH 60N
- UPH 60L
- UPH 180N
- UPH 180L
- UPH 300N
- UPH 300L

4. The SERIAL NUMBER: _____

BEFORE INSTALLING YOUR HEATER, CHECK THE APPROPRIATE BOX AND FILL IN THE SERIAL NUMBER OF YOUR HEATER IN THE SPACES PROVIDED ABOVE.

UNITED STATES STOVE COMPANY

P.O. BOX 5349

CHATTANOOGA, TN 37406

(615) 698-3435

