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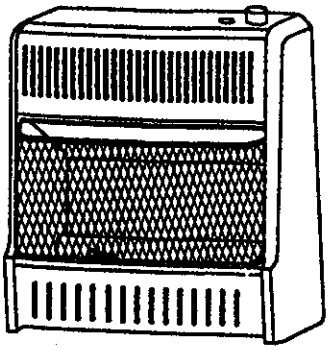
PROCOM

BLUE FLAME VENT-FREE NATURAL GAS SPACE HEATER

OWNER'S OPERATION AND INSTALLATION MANUAL

MN200HBA

MN300HBA



MN200TBA

MN300TBA

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

⚠ WARNING: This is an unvented gas-fired heater. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. Refer to Air For Combustion and Ventilation section on page 4 of this manual.

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

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any 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 the gas supplier.

⚠ WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.

This appliance may be installed in an aftermarket* permanently located, manufactured (mobile) home, where not prohibited by local codes.
This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.

*Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer.

DESIGN CERTIFIED

Save this manual for future reference.

IMPORTANT SAFETY INFORMATION

⚠ WARNINGS

⚠ IMPORTANT: Read this owner's manual carefully and completely before trying to assemble, operate, or service this heater. Improper use of this heater can cause serious injury or death from burns, fire, explosion, electrical shock, and carbon monoxide poisoning.

⚠ WARNING: Do not use any accessory not approved for use with this heater.

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

Do not place clothing or other flammable material on or near the appliance. Never place any objects on the heater.

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

Surface of heater becomes very hot when running heater. Keep children and adults away from hot surface to avoid burns or clothing ignition. Heater will remain hot for a time after shut down. Allow surface to cool before touching.

Carefully supervise young children when they are in the same room with heater.

Make sure grill guard is in place before running heater.

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

1. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.
2. If you smell gas -
   - Shut off gas supply.
   - Do not try to light any appliance.
   - Do not touch any electrical witch: 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
3. This heater shall not be installed in a bedroom or bathroom, or the place which the strong wind would shut down the appliance.
4. This heater needs fresh, outside air ventilation to run properly. This heater has an Oxygen Depletion Sensor (ODS) safety shutoff system. The ODS shuts down the heater if not enough fresh air is available. See Fresh Air for Combustion and ventilation pages 4 and 5.
5. Keep all air openings in front and bottom of heater clear and free of debris. This will insure enough air for proper combustion.
6. If heater shuts off. Do not relight until you provide fresh, outside air. If heater keeps shutting off, have it serviced.
7. Do not run heater
   - where flammable liquids or vapors are used or stored
   - under dusty conditions
8. Before using furniture polish, wax, carpet cleaner, or similar products, turn heater off. If heated, the vapors from these products may create a white powder residue within burner box or on adjacent walls or furniture.
9. Do not use heater if any part has been under water. Immediately call a qualified service technician to inspect the room heater and to replace any pan of the control system and any gas control which has been under water.
10. Turn off and unplug heater and let cool before servicing. Only a qualified service person should service and repair heater.
11. Operating heater above elevations of 4,500 feet could cause pilot outage.

⚠ DANGER: Carbon monoxide poisoning may lead to death

Carbon Monoxide Poisoning: Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness, or nausea. If you have these signs, the heater may not be working properly. **Get fresh air at once!** Have heater serviced. Some people are more affected by carbon monoxide than others. These include pregnant women, persons with heart or lung disease or anemia, those under the influence of alcohol, and those at high altitudes.

Natural Gas: Natural gas is odorless. An odor-making agent is added to natural gas. The odor helps you detect a natural gas leak. However, the odor added to natural gas can fade. Natural gas may be present even though no odor exists. Make certain you read and understand all warnings. Keep this manual for reference. It is your guide to safe and proper operation of this heater.

PRODUCT FEATURES

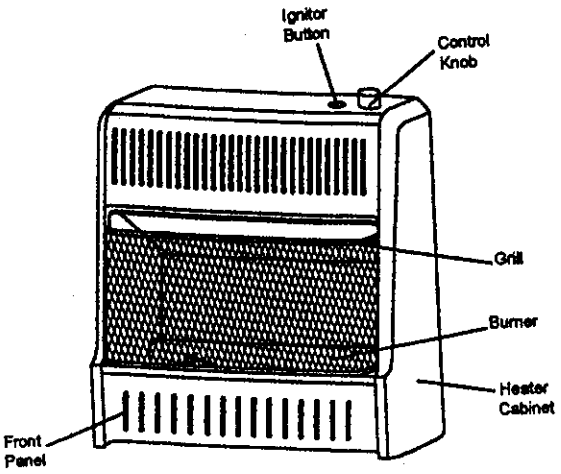


Figure1-Vent-Free Natural Gas heater (Model MN300TBA Shown)

SAFETY DEVICE

A standard requirement for all vent-free room heaters, this heater has a pilot with an Oxygen Depletion Sensor (ODS) safety shutoff system. The ODS/pilot shuts off the heater if there is not enough fresh air.

PIEZO IGNITION SYSTEM

This heater is equipped with a piezo ignitor. This system requires no matches, batteries, or other sources to light heater.

THERMOSTATIC HEAT CONTROL ON THERMOSTAT MODELS

MN200TBA AND MN300TBA

These heaters have a control valve with a thermostat sensing bulb. This results in the greatest heater comfort and may result in lower gas bills.

LOCAL CODES

Install and use heater with care. Follow all local codes. In the absence of local codes, use the latest edition of *National Fuel Gas Code ANSZ223.1*, also known as NFPA 54*.

*Available from:

American National Standards Institute, Inc.
1430 Broadway
New York, NY 10018

National Fire Protection Association, Inc.
Batterymarch Park
Quincy, MA 02269

UNPACKING

Remove heater from carton.

Remove all protective packaging applied to heater for shipment.

Check heater for any shipping damage. If heater is damaged, promptly inform dealer where you bought heater.

FRESH AIR FOR COMBUSTION AND VENTILATION

⚠ WARNING: This heater shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air. Read the following instructions to insure proper fresh air for this and other fuel-burning appliances in your home.

PRODUCING ADEQUATE VENTILATION

The following are excerpts from *National Fuel Gas Code. NFPA 54/ANS Z223.1, Section 5.3. Air for Combustion and Ventilation.*

All spaces in homes fall into one of the three following ventilation classifications:

1. Unusually Tight Construction
2. Unconfined Space
3. Confined Space

The information on pages 4 through 6 will help you classify your space and provide adequate ventilation.

Unusually Tight Construction

The air that leaks around doors and windows may provide enough fresh air for combustion and ventilation. However, in buildings of unusually tight construction, you must provide additional fresh air.

Unusually tight construction is defined as construction where:

a. walls and ceilings exposed to the outside atmosphere have a continuous water vapor retarder with a rating of one perm (6×10^{-11} kg per pa-sec-m^2) or less with openings gasketed or sealed and

b. whether stripping has been added on openable windows and doors *and*

c. caulking or sealants are applied to areas such as joints around window and door frames, between sole plates and floors, between wall-ceiling joints, between wall panels, at penetrations for plumbing, electrical, and gas lines, and at other openings. If your home meets all of the three criteria above, you must provide additional fresh air. *See Ventilation Air From Outdoors, page 6.*

If your home does not meet all of the three criteria above, *see Determining Fresh-Air Flow for Heater Location, page4,5.*

Confined and Unconfined Space

The National Fuel Gas Code ANS Z223.1 defines a confined space as a space whose volume is less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kw) of the aggregate input rating of all appliances installed in that space and an unconfined space as a space whose volume is not less than 50 cubic feet per 1,000 Btu per hour (4.8 m^3 per kw) of the aggregate input rating of all appliances installed in that space. Rooms communicating directly with the space in which the appliances are installed*, through openings not furnished with doors, are considered a part of the unconfined space.

This heater shall not be installed in a confined space or unusually tight construction unless provisions are provided for adequate combustion and ventilation air.

*Adjoining rooms are communicating only if there are doorless passageways or ventilation grills between them.

DETERMINING FRESH-AIR FLOW FOR HEATER LOCATION

Determining if you Have a Confined or Unconfined Space *

Use this worksheet to determine if you have a confined or unconfined space.

Space: Includes the room in which you will install heater plus any adjoining rooms with doorless passageways or ventilation grills between the rooms.

1. Determine the volume of the space (length x width x height).

   Length x Width x Height = _____ cu. ft. (volume of space)

   Example: Space size20ft.(length)x 16ft(width)x8ft.(ceiling height)=2560cu.ft.(volume of space)

   If additional ventilation to adjoining room is supplied with grills or openings, add the volume of these rooms to the total volume of the space.

2. Divide the space volume by 50 cubic feet to determine the maximum Btu/Hr the space can support.

   _____ (volume of space)+50 cu. ft. = (Maximum Btu/Hr the space can support)

Example: 2560 cu. ft. (volume of space) + 50 cu. ft. = 51.2 or 51,200 (maximum Btu/Hr the space can support)

⚠ WARNING: If the area in which the heater may be operated is smaller than that defined as an unconfined space or if the building is of unusually tight construction, provide adequate combustion and ventilation air by one of the methods described in the National Fuel Gas Coda, ANS Z223.1, Section 5.3 or applicable local codes.

3. Add the Btu/Hr of all fuel burning appliances in the space.

Vent-free heater	_____	Btu/Hr
Gas water healer*	_____	Btu/Hr
Gas furnace	_____	Btu/Hr
Vented gas heater	_____	Btu/Hr
Gas Fireplace logs	_____	Btu/Hr
Other gas appliances*	+ _____	Btu/Hr
Total	= _____	Btu/Hr

Example:

Gas water heater		40,000	Btu/Hr
Vent free heater	+	20,000	Btu/Hr
Total	=	60,000	Btu/Hr

*Do not include direct-vent gas appliances. Direct-vent draws combustion air from the outdoors and vents to the outdoors.

4. Compare the maximum Btu/Hr the space can support with the actual amount of Btu/Hr used.

_____Btu/Hr (maximum the space can support)

_____Btu/Hr (actual amount of Btu/Hr used)

Example: 51,200 Btu/Hr (maximum the space can support)
60,000 Btu/Hr (actual amount of Btu/Hr used)

The space in the above example is a confined space because the actual Btu/Hr used is more than the maximum Btu/Hr the space can support.

You must provide additional fresh air. Your options arc as follows:

A. Rework worksheet, adding the space of an adjoining room. If the extra space provides an unconfined space, remove door to adjoining room or add ventilation grills between rooms. See *Ventilation Air from Inside Building*, page 5.

B. Vent room directly to the outdoors. See *Ventilation Air from Outdoors*, page 6.

C. Install a lower Btu/Hr heater, if lower Btu/Hr size makes room unconfined.

If the actual Btu/Hr used is less than the maximum Btu/Hr the space can support, the space is an unconfined space. You will need no additional fresh air ventilation.

AIR FOR COMBUSTION AND VENTILATION
Continued

VENTILATION AIR

Ventilation Air From Inside Building

This fresh air would come from an adjoining unconfined space. When ventilating to an adjoining unconfined space, you must provide two permanent openings: one within 12" of the ceiling and one within 12" of the floor on the wall connecting the two spaces (see options 1 and 2, Figure 2). You can also remove door into adjoining room (see option 3, Figure 2). *Follow the National Fuel Gas Code NFPA 54/ANS Z223.1. Section 5.3, Air for Combustion and Ventilation* for required size of ventilation grills or ducts

⚠ WARNING: Rework worksheet, adding the space of the adjoining unconfined space. The combined spaces must have enough fresh air to supply all appliances in both spaces.

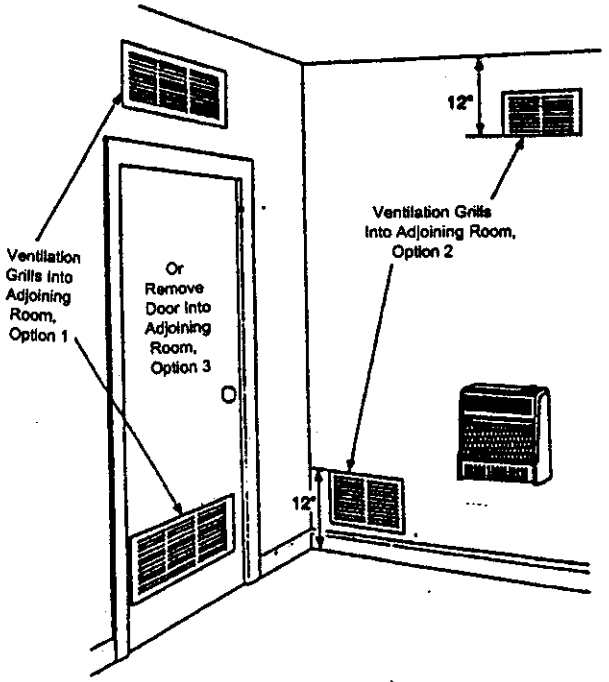


Figure 2 - Ventilation Air from Inside Building

VENTILATION AIR

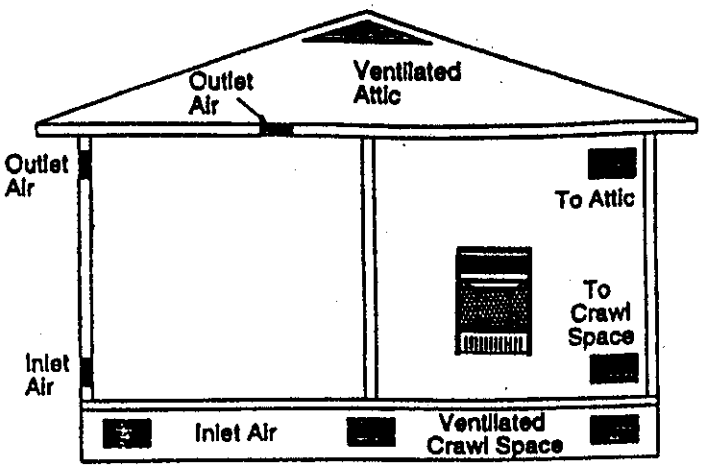


Figure 3 - Ventilation Air from Outdoors

Ventilation Air From Outdoors

Provide extra fresh air by using ventilation grills or duels: You must provide two permanent openings: one within 12" of the ceiling and one within 12" of the floor.

Connect these items directly to the outdoors or spaces open to the outdoors. These spaces include attics and crawl spaces. Follow the *National Fuel Gas Code NFPA 54/ANS Z223.1, Section 5.3. Air for Combustion and Ventilation* for required size of ventilation grills or ducts.

IMPORTANT: Do not provide openings for inlet or outlet air into attic if attic has a thermostat-controlled power vent. Heated air entering the attic will activate the power vent.

⚠ NOTICE: This heater is intended for use as supplemental heat. Use this heater along with your primary heating system. Do not install this heater as your primary heat source. If you have a central heating system, you may run system's circulating blower while using heater. This will help circulate the heat throughout the house. In the event of a power outage, you can use this heater as your primary heat source.

⚠ WARNING: A qualified service person must install heater. Follow all local codes.

CHECK GAS TYPE

Use only natural gas. If your gas supply is not natural, do not install heater. Call dealer where you bought heater for proper type heater.

INSTALLATION NEEDS

Before installing heater, make sure you have the items listed below.

- piping (check local codes)
- sealant (resistant to natural gas)
- equipment shutoff valve *
- ground joint union
- test gauge connection *
- sediment trap
- tee joint
- pipe wrench

INSTALLATION

*A CSA/AGA design-certified equip-ment shutoff valve with 1/8" NPT tap is an acceptable alternative to test gauge connection. Purchase the optional CSA/AGA design certified equipment shutoff valve from your dealer. See Accessories, page 17.

LOCATING HEATER

This heater is designed to be mounted on a wall. You can locate heater on floor, away from a wall. An optional floor mounting stand is needed. Purchase the floor mounting stand from your dealer. See Accessories, page 17.

For convenience and efficiency, install heater

- where there is easy access for operation, inspection, and service
- in coldest part of room

An optional fan kit is available from your dealer. See Accessories, page 17. If planning to use fan, locate heater near an electrical outlet.

CAUTION: If you install the heater in a home garage

- **heater pilot and burner must be at least 18 inches above floor.**
- **locate heater where moving vehicle will not hit it.**

⚠ CAUTION: This heater creates warm air currents. These currents move heat to wall surfaces next to heater. Installing heater next to vinyl or cloth wall coverings or operating heater where impurities (such as tobacco smoke, aromatic candles, cleaning fluids, oil or kerosene lamps, etc.) in the air exist may discolor walls.

⚠ WARNING: Never install the heater

- **in a bedroom or bathroom.**
- **in a recreational vehicle.**
- **where curtains, furniture.**
- **clothing, or other flammable objects are less than 36 inches from the front, top, or sides of the heater.**
- **as a fireplace insert.**
- **in high traffic areas.**
- **in windy or drafty areas.**

INSTALLATION

⚠ WARNING: Maintain the minimum clearances shown in Figure 4. If you can, provide greater clearances from floor, ceiling and joining wall.

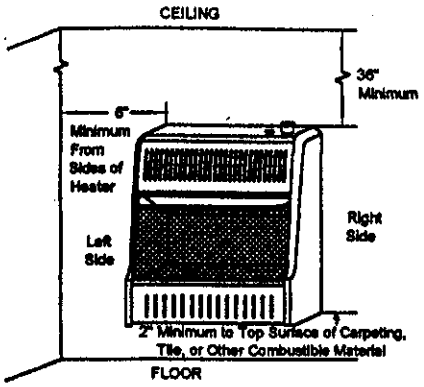


Figure 4-Mounting clearances as Viewed From Front of Heater

⚠ IMPORTANT: Vent-free heaters add moisture to the air. Although this is beneficial, installing heater in rooms without enough ventilation air may cause mildew to form from too much moisture. See *Fresh Air for Combustion and Ventilation*, pages 4 and 5.

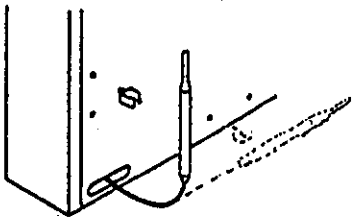


Figure 5 - Moving Thermostat Sensing Bulb

INSTALLING THERMOSTAT SENSING BULB

For T-Stat Models Only

Remove clip and bulb from shipping location. Place clip and bulb into operation location (see Figure 7)

FASTENING HEATER TO WALL

Mounting Bracket

The mounting bracket is located on back panel of heater (see figure 6). It has been taped there for shipping. Remove mounting bracket from back panel.

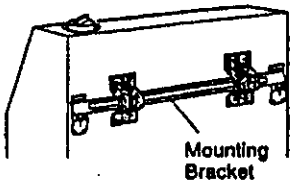


Figure 6 - Mounting Bracket location

Removing Front Panel Of The Heater Models MN200HBA MN200TBA, MN300HBA and MN300TBA

Remove clip and bulb from shipping location. Place clip and bulb into operation location (see figure 7).

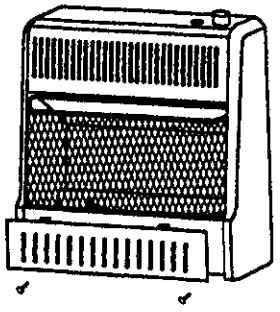


Figure 7 – Removing Front Panel of Heater

Attaching Mounting Bracket To Wall

Only use last hole on each end of mounting bracket to attach bracket to wall. These two holes are 16 inches apart from their centers. Attach mounting bracket to wall only in one of two ways:

1. Attaching to wall stud
2. Attaching to wall anchor

Attaching to Wall Stud: This method provides the strongest hold. Insert mounting screws through mounting bracket and into wall studs.

Attaching to Wall Anchor: This method allows you to attach mounting bracket to hollow walls (wall areas between studs) or to solid walls (concrete or masonry).

Decide which method better suits your needs. Either method will provide a secure hold for the mounting bracket.

Marking Screw Locations

1. Tape mounting bracket to wall where heater will be located. Make sure mounting bracket is level.

⚠ WARNING: Maintain minimum clearances shown in Figure 8. If you can, provide greater clearances from floor and joining wall.

2.Mark screw locations on wall.

Note: Only mark last hole on each end of mounting bracket. Insert mounting screws through these holes only.

3.Remove tape and mounting bracket from wall.

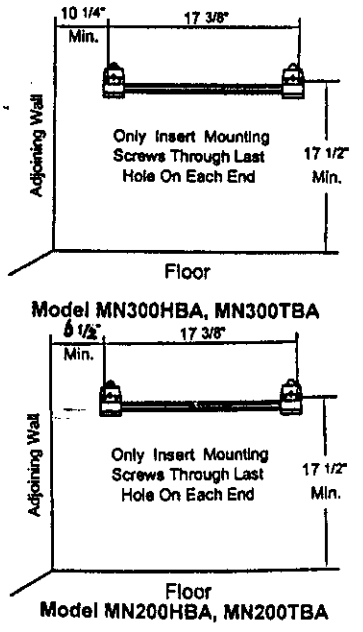


Figure 8–Mounting Bracket Clearances

INSTALLATION

Attaching Mounting Bracket to Wall

Note: Wall anchors, mounting screws, and spacers are in hardware package. The hardware package is provided with heater.

Attaching to Wall Stud Method

For attaching mounting bracket to wall studs

1. Drill holes at marked locations using 9/64" drill bit.
2. Place mounting bracket onto wall. Line up last hole on each end of bracket with holes drilled in wall.
3. Insert mounting screws through bracket and into wall studs.
4. Tighten screws until mounting bracket is firmly fastened to wall studs.

Attaching to Wall Anchor Method

For attaching mounting bracket to hollow walls (wall areas between studs) or solid walls (concrete or masonry)

1. Drill holes at marked locations using 5/16" drill bit. For solid walls (concrete or masonry), drill at least !" deep.
2. Fold wall anchor as shown in Figure 9 below.

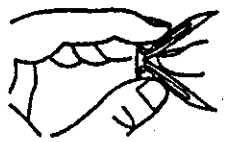


Figure 9-Folding Anchor

3. Insert wall anchor (wings first) into hole. Tap anchor flush to wall.
4. For thin walls (1/2" or less), insert red key into wall anchor. Push red key to "pop" open anchor wings (see Figure 10).

⚠ IMPORTANT: Do not hammer key! For thick walls (over 1/2" thick) or solid walls, do not pop open.

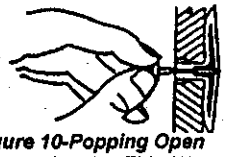


Figure 10-Popping Open Anchor Wing For Thin Walls

5. Place mounting bracket onto wall. Line up last hole on each end of bracket with wall anchors.
6. Insert mounting screws through bracket and into wall anchors.
7. Tighten screws until mounting bracket is firmly fastened to wall.

Placing Heater On Mounting Bracket

1. Locate two horizontal slots on back panel of heater (see Figure 11).
2. Place heater onto mounting bracket. Slide horizontal slots onto stand-out tabs on mounting bracket.

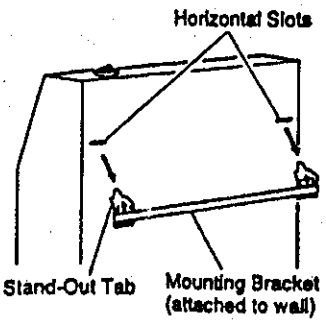


Figure 11- mounting heater onto mounting bracket

Installing Bottom Mounting Screws

1. Locate two bottom mounting holes. These holes are near bottom on back panel of healer (see Figure 12).

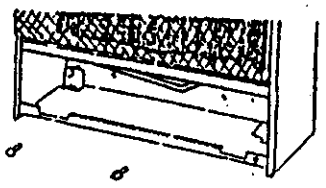


Figure 12-Installing Bottom Mounting Screws

2. Mark screw locations on wall.
3. Remove heater from mounting bracket.
4. If installing bottom mounting screws into hollow or solid wall, install wall anchors. Follow steps I through 4 under Attaching To Wall Anchor Method. If installing bottom mounting screw into wall stud, drill holes at marked locations using 9/64" drill bit.
5. Replace heater onto mounting bracket.
6. Place spacers between bottom mounting holes and wall anchor or drilled hole.
7. Hold spacer in place with one hand. With other hand, insert mounting screw through bottom mounting hole and spacer. Place tip of screw in opening of wall anchor or drilled hole
8. Tighten both screws until heater is firmly secured to wall. Do not over tighten.

- Note: Do not replace front panel at this time. Replace front panel after making gas connections and checking for leaks (see pages 8 and 9).

INSTALLATION

CONNECTING TO GAS SUPPLY

⚠ WARNING: A qualified service person must connect heater to gas supply. Follow all local codes.

⚠ WARNING: This appliance requires a 3/8" NPT (National Pipe Thread) inlet connection to the pressure regulator.

⚠ CAUTION: Never connect heater directly to the natural supply. This heater requires an external regulator (not supplied). Install the external regulator between the heater and natural supply.

The installer must supply an external regulator. The external regulator will reduce incoming gas pressure. You must reduce incoming gas pressure to between 11 and 14 inches of water. If you do not reduce incoming gas pressure, heater regulator damage could occur.

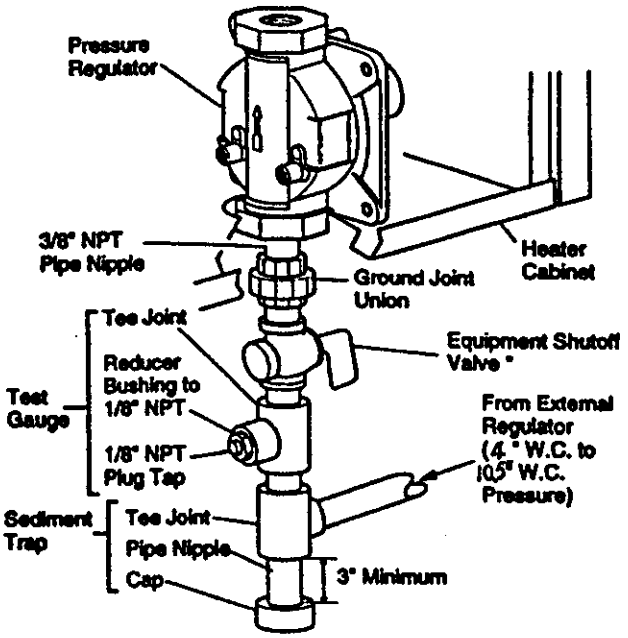


Figure 13-Gas Connection

⚠ CAUTION: Use only new, black iron or steel pipe. Internally-tinned copper tubing may be used in certain areas. Check your local codes. Use pipe of large enough diameter to allow proper gas volume to heater. If pipe is too small, undue loss of pressure will occur.

Typical Inlet Pipe Diameters

MN200HBA/MN200TBA	3/8" or greater
MN300HBA/MN300TBA	1/2" or greater

* ACSA/AGA design-certified equipment shutoff valve with 1/8" NPT tap is an acceptable alternative to test gauge connection. Purchase the optional CSA/AGA design-certified equipment shutoff valve from your dealer. See Accessories, page 17.

IMPORTANT: Install an equipment shutoff valve in an accessible location. The equipment shutoff valve is for turning on or shutting off the gas to the appliance.

Installation must include equipment shutoff valve, union, and plugged 1/8" NPT tap. Locate NPT tap within reach for test gauge hook up. NPT tap must be upstream from heater (see Figure 13). *IMPORTANT:* Install an equipment shutoff valve in an accessible location. The equipment shutoff valve is for turning on or shutting off the gas to the appliance.

Apply pipe joint sealant lightly to male threads. This will prevent excess sealant from going into pipe. Excess sealant in pipe could result in clogged heater valves.

CAUTION: Use pipe joint sealant that is resistant to liquid petroleum (LP) gas.

Install sediment trap in supply line as shown in Figure 13. Locate sediment trap where it is within reach for cleaning. Locate sediment trap where trapped matter is not likely to freeze. A sediment trap traps moisture and contaminants. This keeps them from going into heater controls. If sediment trap is not installed or is installed wrong, heater may not run properly.

IMPORTANT: Hold pressure regulator with wrench when connecting it to gas piping and/or fittings.

INSTALLATION

CHECKING GAS CONNECTIONS

⚠ WARNING: Test all gas piping and connections for leaks after installing or servicing. Correct all leaks at once.

⚠ WARNING: Never use an open flame to check for a leak. Apply a mixture of liquid soap and water to all joints. Bubbles forming show a leak. Correct all leaks at Once.

Pressure Testing Gas Supply Piping System

Test Pressure In Excess Of 1/2 PSIG (3.5 K Pa)

1. Disconnect appliance with its appliance main gas valve (control valve) and equipment shutoff valve from gas supply piping system. Pressures in excess of 1/2 psig will damage heater regulator.
2. Cap off open end of gas pipe where equipment shutoff valve was connected.
3. Pressurize supply piping system by either using compressed air or opening main gas valve located on or near gas meter.
4. Check all joints of gas supply piping system. Apply mixture of liquid soap and water to gas joints. Bubbles forming show a leak.
5. Correct all leaks at once.
6. Reconnect heater and equipment shutoff valve to gas supply. Check reconnected Fittings for leaks.

Test Pressures Equal To or Less Than 1/2 PSIG (3.5 K Pa)

1. Close equipment shutoff valve (see Figure 14).
2. Pressurize supply piping system by either using compressed air or opening main gas valve located on or near gas meter.
3. Check all joints from gas meter to equipment shutoff valve (see Figure 15). Apply mixture of liquid soap and water to gas joints. Bubbles forming show a leak.
4. Correct all leaks at once.

Pressure Testing Heater Gas Connections

1. Open equipment shutoff valve (see Figure 14).
2. Open main gas valve located on or near gas meter.
3. Make sure control knob of heater is in the OFF position.
4. Check all joints from equipment shutoff valve to control valve (see Figure 15). Apply mixture of liquid soap and water to gas joints. Bubbles forming show a leak.
5. Correct all leaks at once.
6. Light heater (see Operating Heater, pages 10 and 11 for non-thermostat models or pages 12 and 13 for thermostat models). Check the rest of the internal joints for leaks.
7. Turn off heater (see To Turn Off Gas to Appliance, page 11 for non-thermostat models or page 12 for thermostat models).
8. Replace front panel.

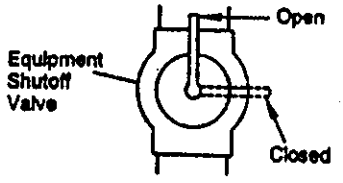


Figure 14-Equipment Shutoff Valve

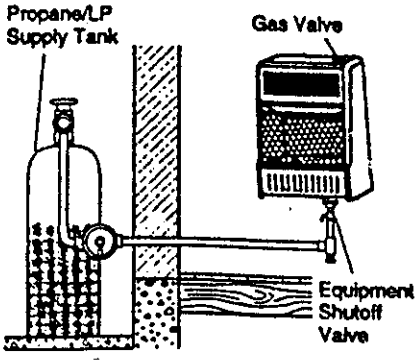


Figure 15-Checking Gas Joints

OPERATING YOUR HEATER

THERMOSTAT MODELS MN200TBA AND MN300TBA

■ FOR YOUR SAFETY ■ READ BEFORE LIGHTING

⚠ WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric 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.

C. Use only your hand to push in or turn the gas control knob. Never use toots. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician or gas supplier. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water, immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

OPERATING YOUR HEATER

■ LIGHTING ■ INSTRUCTIONS

1. STOP! Read the safety information on the side of heater
2. Check that gas supply to heater is on.
3. Push in gas control knob slightly and turn clockwise to the OFF position.

NOTE: knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

4. Wait five (5) minutes to clear out any air. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information on the side of the heater. If you do not smell gas, go to the next step.
5. Push in gas control knob slightly and turn counterclockwise ↶ to "PILOT/ IGN" and depress for five(5)seconds

NOTE: The first time that the heater is operated after connecting the gas supply, the control knob should be depressed for about thirty (30) seconds. This will allow air to bleed from the gas system.

6. With control knob pressed in, push down and release the ignitor button. This will light pilot. If needed, keep pressing ignitor button until pilot lights.

NOTE: If pilot does not stay lit, refer to *Troubleshooting*, pages 14 through 16. Also contact a qualified service person or gas supplier for repairs. Until repairs are made, light pilot with match. To light pilot with match, see *Manual Lighting Procedure*.

7. Keep control knob pressed in for thirty (30) seconds after lighting pilot. After 30 seconds, release control knob.

- If control knob does not pop up when released, contact a qualified service person or gas supplier for repairs.

NOTE: If pilot goes out, repeat steps 3 through 7. Wait one (1) minute before lighting pilot again

8. Turn control knob counterclockwise ↶ to desired heating Level. The main burner should light. Set control knob to any heat level between HI and LO.

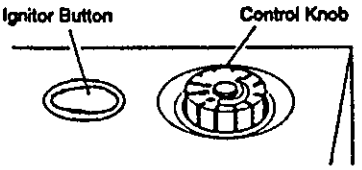


Figure 16-Control Knob in The OFF Position

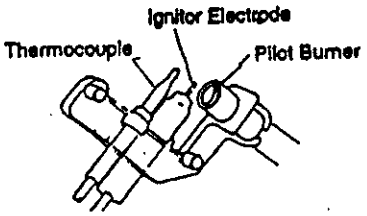


Figure 17-Pollt

■ THERMOSTAT ■ CONTROL OPERATION

The thermostatic control used on these models differs from standard thermostats. Standard thermostats simply turn on and off the burner. The thermostat used on this heater senses the room temperature.

The thermostat adjusts the amount of gas slow to the burner. This increases or decreases the burner flame height. At times the room may exceed the set temperature. If so, the burner will shut off. The burner will cycle back on when room temperature drops below the set temperature. The control knob can be set to any heat level between HI and LO. Selecting the HI setting will cause the burner to remain fully on without modulating down in most cases.

***NOTE*: the thermostat sensing bulb measures the temperature of air near the heater cabinet. This may not always agree with room temperature (depending on housing , construction. installation location, room size, open air temperatures, etc.). frequent use of your heater will let you determine your own comfort levels.**

■ TO TURN OFF ■ GAS TO APPLIANCE

Shutting Off Heater

1. Turn control knob clockwise ↷ to the OFF position.
2. Turn off all electric power to the appliance if service is to be performed.

SHUTTING OFF BURNER ONLY (PILOT STAYS LIT)

Turn control knob clockwise ↷ to the PILOT/IGN position.

■ MANUAL LIGHTING ■ PROCEDURE

1. Remove front panel (see Figure 7 page7).
2. Follow steps 1 through 5 under Lighting Instructions.
3. With control knob pressed in, strike match. Hold match to pilot until pilot lights.
4. Keep control knob pressed in for 30 seconds after lighting pilot. After 30 seconds, release control knob. Follow step 8 under *Lighting Instructions.*
5. Replace front panel.

OPERATING YOUR HEATER

NON-THERMOSTAT MODELS MN200HBA AND MN300HBA

■ FOR YOUR SAFETY ■
READ BEFORE LIGHTING

⚠ WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric 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.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician or gas supplier. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

■ LIGHTING ■ INSTRUCTIONS

1. STOP! Read the safety information, column 1.
2. Make sure equipment shutoff valve is fully open.
3. Push in control knob slightly and turn clockwise ↷ to the OFF position. (see Figure 18).
4. Wait five minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information in column 1. If you don't smell gas, go to the next step.
5. Push in and turn control knob counterclockwise ↶ to PILOT position. Press in control knob for five (5) seconds.

Note: You may be running this heater for the first time after hooking up to gas supply. If so, you may need to press in control knob for 30 seconds. This will allow air to bleed from the gas system.

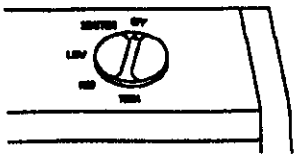


Figure 18 – Control Knob In The OFF Position

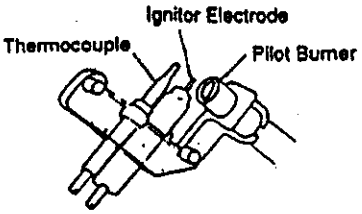


Figure 19-Pilot

6. Release downward pressure on control knob and turn clockwise ↷ to OFF position.
7. Press in control knob and turn counterclockwise ↶ past IGN to PILOT. This will cause the piezo ignitor to spark and light the pilot gas. Keep control knob depressed for 10 seconds before releasing. If needed, repeat steps 5 through 7 until pilot lights.

Note: If pilot does not stay lit, refer to Troubleshooting, pages 14 through 16. Also contact a qualified service person or gas supplier for repairs. Until repairs are made, light pilot with match. To light pilot with match, see Manual Lighting Procedure.

8. Keep control knob pressed in for 30 seconds after lighting pilot. After 30 seconds, release control knob.
9. To light burner, slightly press in control knob and urn counterclockwise ↶ Release downward pressure on control knob while turning. Set sontrol knob to desired heating position.

NOTE: Both HIGH, MED, and LOW are lock positions. You must press in control knob before turning it from these positions.

■ TO TURN OFF ■ GAS TO APPLIANCE

Shutting Off Heater

1. Turn control knob clockwise ↷ to the OFF position.
2. Turn off all electric power to the appliance if service is to be performed.
3. Turn off all electric power to the appliance if service is to be performed.

Shutting Off Burner Only (pilot stays lit)

Slightly press in control turn control knob clockwise ↷ to the PILOT position.

INSPECTING BURNER

Check pilot flame pattern and burner flame pattern often

⚠ WARNING: If yellow tipping occurs, your heater could produce increased levels of carbon monoxide. If burner flame pattern shows yellow tipping, follow instructions at bottom of this page.

Notice: Do not mistake orange flames with yellow tipping. Dirt or other fine particles enter the heater and burn causing brief patches of orange flame.

■ MANUAL LIGHTING ■ PROCEDURE

1. Follow steps 1 through 5 under Lighting Instructions, page 12.
2. With control knob pressed in, strike match. Hold match to pilot until pilot lights.
3. Keep control knob pressed in for 30seconds after lighting pilot after 30 seconds, release control knob.

INSPECTING BURNER

Check pilot flame pattern and burner flame pattern often.

PILOT FLAME PATTERN

Figure 20 shows a correct pilot flame pattern. Figure 21 shows an incorrect pilot flame pattern. The incorrect pilot flame is not touching thermocouple. This will cause the thermocouple to cool. When the thermocouple cools, the healer will shut down. If pilot flame pattern is incorrect, as shown in Figure 21.

- turn heater off (see To Turn Off Gas to Appliance. page 11 for non-thermostat models or page 12 for thermostat models)
- see Troubleshooting, pages 14 through 16

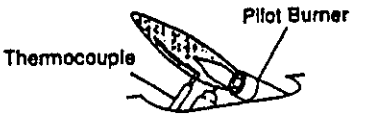


Figure 20-Correct Pilot Flame Pattern

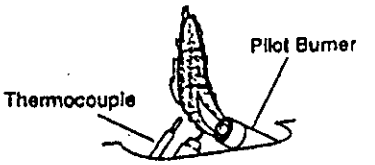


Figure 21-Incorrect Pilot Flame Pattern

BURNER FLAME PATTERN

Figure 22 shows a correct burner flame pattern. Figure 23 shows an incorrect burner flame pattern. If pilot flame pattern is incorrect, as shown in Figure 23.

- turn heater off (sec To Turn Off Gas to Appliance. page 11 for non-thermostat models or page 12 for thermostat models)
- see Troubleshooting, pages 14 through 16

Figure 22-Correct Burner Flame Pattern

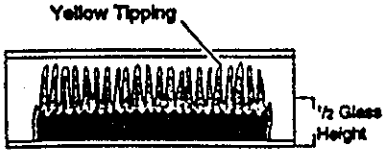


Figure 23-Incorrect Burner Flame Pattern

CLEANING

⚠ WARNING: Turn off heater and let cool before servicing.

⚠ CAUTION: You must keep control areas, burner, and circulating air passageways of heater clean. Inspect these areas of heater before each use. Have heater inspected yearly by a qualified service person. Heater may need more frequent cleaning due to excessive lint from carpeting, bedding material, pet hair, etc.

CLEANING ODS/PILOT AND BURNER

- Use a vacuum cleaner, pressurized air. or small, soft bristled brush to clean.

CLEANING BURNER PILOT AIR INLET HOLE

We recommend that you clean (he unit every 2,500 hours of operation or every three months. We also recommend that you keep the burner tube and pilot assembly clean and free of dust and din. To clean these parts we recommend using compressed air no greater than 30 PSI.

Your local computer store, hardware store, or home center may carry compressed air in a can. You can use a vacuum cleaner in the blow position. If using compressed air in a can, please follow the directions on the can. If you don't follow directions on the can, you could damage the pilot assembly.

1. Shut off the unit, including the pilot. Allow the unit to cool for at least thirty minutes.
2. Inspect burner, pilot for dust and dirt.
3. Blow air through the ports/slots and holes in the burner.

Clean the pilot assembly also. A yellow tip on the pilot flame indicates dust and dirt in the pilot assembly. There is a small pilot air inlet hole about two inches from where the pilot flame comes out of the pilot assembly (see Figure 24). With the unit off, lightly blow air through the air inlet hole. You may blow through a drinking straw if compressed air is not available.

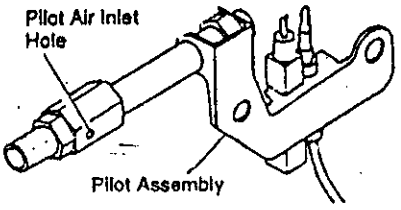


Figure 24-Pilot Inlet Air Hole

CLEANING HEATER CABINET

Air Passageways

- Use a vacuum cleaner or pressurized air to clean.

Exterior

- Use a soft cloth dampened with a mild soap and water mixture. Wipe the cabinet to remove dust.

TROUBLESHOOTING

Note: All troubleshooting items are listed in order of operation.

⚠ WARNING: Only a qualified service person should service and repair heater.

⚠ CAUTION: Never use a wire, needle, or similar object to clean ODS/pilot. This can damage ODS/ pilot unit.

Note: All troubleshooting items are listed in order of operation.

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
When ignitor button is pressed in, there is no spark at ODS/pilot	1. Ignitor electrode positioned wrong 2. Ignitor electrode broken 3. Ignitor electrode not connected to ignitor cable 4. Ignitor cable pinched or wet 5. Broken ignitor cable 6. Bad piezo ignitor	1. Replace ignitor 2. Replace ignitor 3. Reconnect ignitor cable 4. Free ignitor cable if pinched by any metal or tubing. Keep ignitor cable dry 5. Replace ignitor cable 6. Replace control valve (piezo is part of control valve)
ODS/pilot lights but flame goes out when control knob is released	1. Gas supply turned off or equipment shutoff valve closed 2. Control knob not fully pressed in while pressing ignitor button 3. Air in gas lines when installed 4. ODS/pilot is clogged 5. Gas regulator selling is not correct 6. Control knob not in pilot position	1. Turn on gas supply or open equipment shutoff valve 2. Fully press in control knob while pressing ignitor button 3. Continue holding down control knob. Repeat igniting operation until air is removed. 4. Clean ODS/pilot (see Cleaning and 5. Maintenance. page 13) or replace ODS/pilot assembly 6. Replace gas regulator turn control knob to pilot position
When ignitor button is pressed in, there is a spark at ODS/pilot but no ignition.	1. Control knob not fully pressed in. 2. Control knob not pressed in long enough. 3. Equipment shutoff valve not fully open. 4. Thermocouple connection loose at control valve. 5. Pilot flame not touching thermocouple, which allows thermocouple to cool, causing pilot flame to go out. This problem could be caused by one or both of the following: A) Low gas pressure B) Dirty or partially clogged ODS/pilot 6. Thermocouple damaged 7. Control valve damaged	1. Press in control knob fully 2. After ODS/pilot lights, keep control knob pressed in 30 seconds 3. Fully open equipment shutoff valve 4. Hand tighten– until snug, then tighten 1/4 turn more. 5. A) Contact local natural gas company. B) Clean ODS/pilot (see Cleaning and Maintenance, page 13) or replace CDS/pilot assembly 6. Replace thermocouple 7. Replace control valve

TROUBLESHOOTING

Continued

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
Burner(s)does not light after ODS/pilot is lit	1. Burner orifice is clogged 2. Burner orifice diameter is too small 3. Inlet gas pressure is too low	1. Clean burner orifice (see Cleaning and Maintenance, page 13) or replace burner orifice. 2. Replace burner orifice 3. Contact local natural gas company
Delayed ignition of burner(s)	1. Manifold pressure is too low 2. Burner orifice is clogged	1. Contact local natural gas company 2. Clean burner (see *Cleaning and Maintenance*, page 13) or replace burner orifice
Burner backfiring during combustion	1. Burner orifice is clogged or damaged. 2. Burner damaged 3. Gas regulator defective	1. Clean burner orifice (see Cleaning and Maintenance, page 13) or replace 2. Replace burner 3. Replace gas regulator
Burner plaque(s) does not glow	1. Plaque damaged 2. Control knob set between locked positions 3. Inlet gas pressure is too low	1. Replace burner 2. Turn control knob until it locks at desired setting 3. Contact local natural gas company
Slight smoke or odor during initial operation	1. Residues from manufacturing processes	1. Problem will stop after a few hours of operation
Heater produces s whistling noise when burner is lit	1. Turning control knob to HI position when burner is cold 2. Air in gas line 3. Air passageways on heater blocked 4. Dirty or partially clogged burner orifice	1. Turn control knob to LO position and let warm up for a minute 2. Operate burner until air is removed from line. Have gas line checked by local natural gas company 3. Observe minimum installation clearances (see Figure 4, page 7) 4. Clean burner (see *Cleaning and Maintenance*, page 13) or replace burner orifice
White powder residue forming within burner box or on adjacent walls or furniture	1. When heated, vapors from furniture polish, wax, carpet cleaners, etc. turn into white powder residue	1. Turn heater off when using furniture polish, wax. carpet cleaner or similar products.

TROUBLESHOOTING

Continued

⚠ WARNING: If you smell gas

- **Shut off gas supply.**
- **Do not try to light any 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.**

IMPORTANT: Operating beater where impurities in air exist may create odors. Cleaning supplies, paint, paint remover, cigarette smoke, cements and glues, new carpet or textiles, etc., create fumes. These fumes may mix with combustion air and create odors.

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
Heater produces unwanted odors	1. Heater burning vapors from paint, hair spray, glues, etc. (See IMPORTANT statement above) 2. Gas leak. **See Warning statement at top of page**	1. Ventilate room. Stop using odor causing products while heater is running. 2. Locate and correct all leaks (see Checking Gas Connections, page 10)
Heater shuts off in use (ODS operates)	1. Not enough fresh air is available. 2. Low line pressure 3. ODS/pilot is partially clogged	1. Open window and/or door for ventilation 2. Contact local natural gas company 3. Clean ODS/pilot (see Cleaning page 12)
Gas odor even when control knob is in OFF position	1. **Gas leak. See Warning statement at top of page** 2. Control valve defective	1. Locate and correct all leaks (see Checking Gas Connections, page 10) 2. Replace control valve
Gas odor during combustion	1. Foreign matter between control valve and burner. 2. **Gas leak. See Warning statement at top of page**	1. Take apart gas tubing and remove foreign matter 2. Locate and correct all leaks (see Checking Gas Connections, page 10)
Heater produces a clicking/ticking noise just after burner is lit or shut off	1. Metal expanding while heating or contracting while cooling	1. This is common with most heaters. if noise is excessive, contact qualified service person 2.
Moisture/condensation noticed on windows	1. Not enough combustion/ventilation air	1. Refer to Air for Combustion and Ventilation requirements (page 10)

SPECIFICATIONS

	MN200HBA	MN200TBA	MN300HBA	MN300TBA
Btu(avaiable)	20000	20000	30000	30000
Type Gas	Natural Only	Natural Only	Natural Only	Natural Only
Ignition	Piezo	Piezo	Piezo	Piezo
Pressure Regulator Setting	3" W.C	3" W.C.	3" W.C.	3" W.C.
Inlet Gas Pressure(inches of water)				
Maximum	10.5"	10.5"	10.5"	10.5"
Minimum	4"	4"	4"	4"
Dimensions, Inches(H x W x D)				
Heater	19 x 23 x 7	19 x 23 x 7	26.7 x 23 x 7	26.7 x 23 x 7
Carton	21.4 x 26.5 x 9.4	21.4 x 26.5 x 9.4	28.9 x 26.5 x 9	28.9 x 26.5 x 9
Weight(pounds)				
Heater	19.8	20	28	28.5
Carton	23.3	23.5	33.5	34

Note: Dimensions listed are outer most points on the heater (includes control knobs and grill).

* For purposes of input adjustment.

REPLACEMENT PARTS

Note: Use only original replacement parts. This will protect your warranty coverage for parts replaced under warranty.

PARTS UNDER WARRANTY

Contact authorized dealer from whom you purchased this product. If they are unable to supply original replacement part(s), call the number on back of manual When contacting your dealer or PRO-COM, have ready:

- your name
- your address
- model and serial numbers of your heater
- how heater was malfunctioning
- type of gas used (natural or natural gas)
- purchase date

Usually, we will ask you to return the defective part to the factory.

PARTS NOT UNDER WARRANTY

Contact authorized dealers of this product. If they can't supply original replacement

part(s), call PRO-COM's on the back.

TECHNICAL SERVICE

You may have further questions about installation, operation, or troubleshooting.

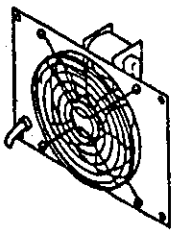
If so, contact PRO-COM'S on the back.

ACCESSORIES

Purchase these heater accessories from your local dealer. If they can not supply these accessories, contact your nearest Parts Central or call PRO-COM'S for information. You can also write to the address listed on the back page of this manual.

EQUIPMENT SHUTOFF VALVE

For all models. Equipment shutoff valve with 1/8" NPT tap.

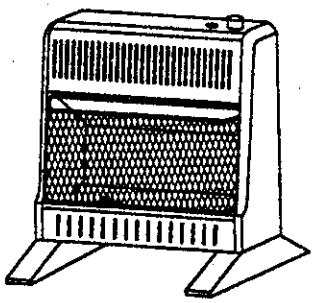


FAN KITS-PF06-YJLF-A and PF06-YJLF-B

For all models, provides better heat distribution. Makes heater 'or efficient. Complete installation and operating instructions included.

Manually-controlled – PF06-YJLF-A. includes ON/OFF switch.

Thermostatically-controlled – PF06-YJLF-B, includes three settings ON/OFF/AUTO



FLOOR MOUNTING STAND

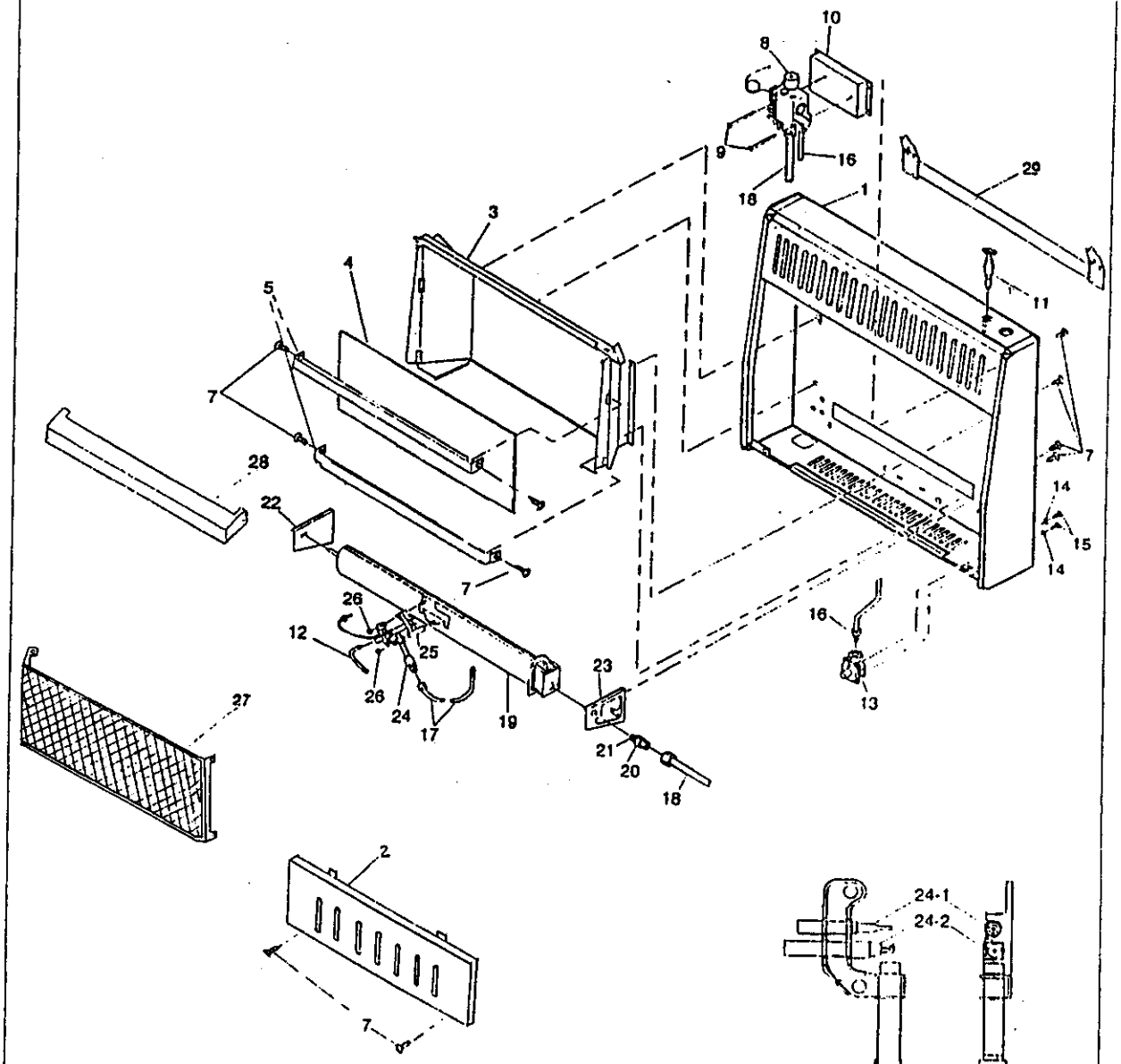
Models MN180HPA and ML180TPA

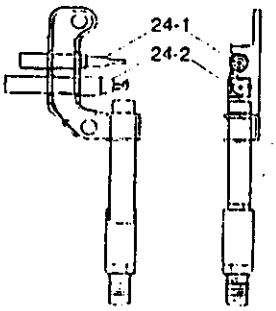
Models ML300HPA and MN300TPA

For locating heater on the floor, away from a wall. Complete installation instructions provided with floor mounting stand.

ILLUSTRATED PARTS BREAKDOWN

THERMOSTAT MODELS MN200TBA MN300TBA





ODS/Pilot Assembly

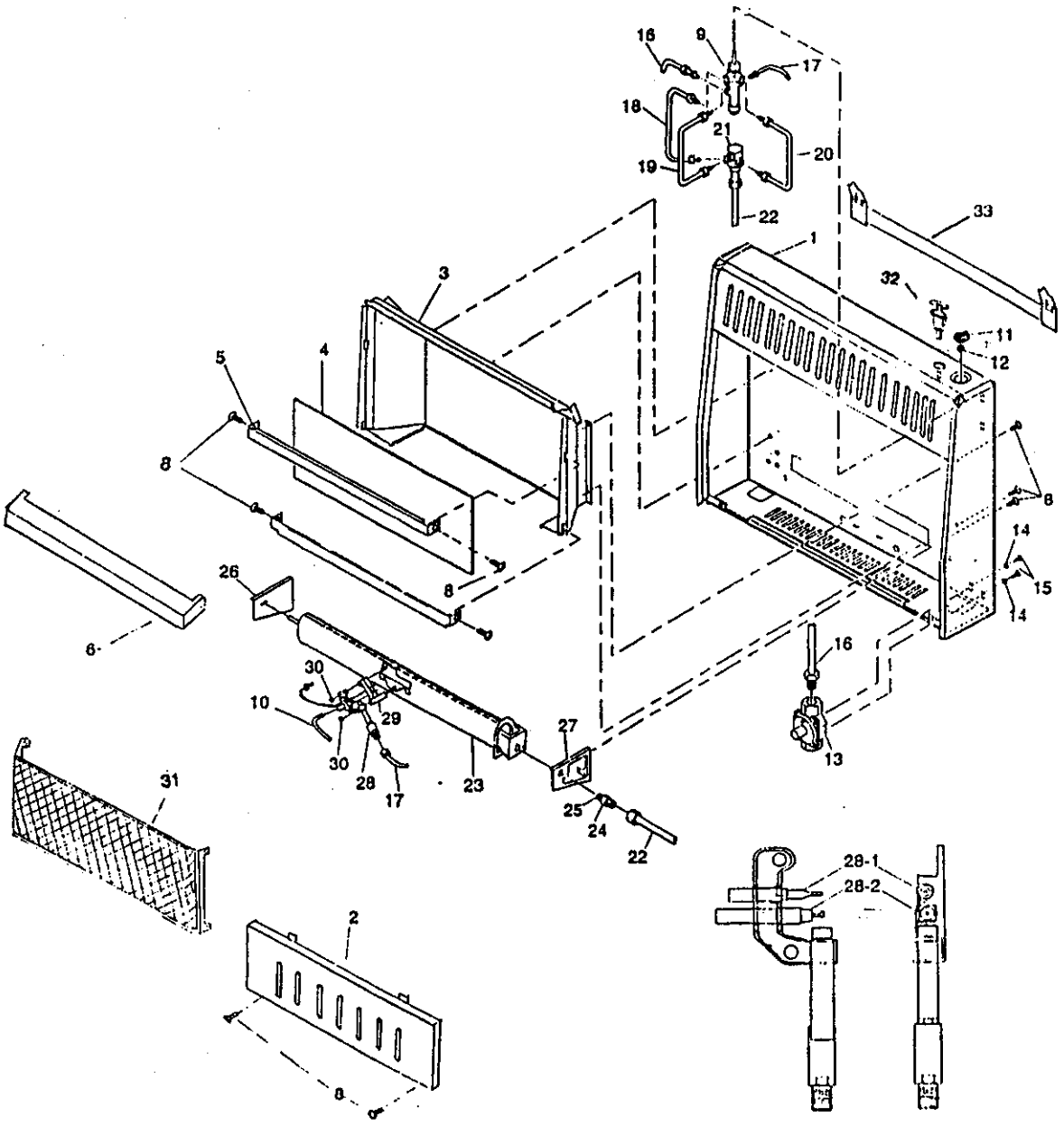
PARTS LIST
MN200TBA
MN300TBA

This list contains replaceable parts used in your heater. When ordering parts, follow the instructions listed under replacement parts on page of this manual.

KEY NO.	MN200TBA PART NO.	MN300TBA PART NO.	DESCRIPTION	QTY
1	MB042	MB052	Cabinet Assembly	1
2	MB029	MB002	Lower Front Panel Assembly	1
3	MB039	MB019	Reflector Unit	1
4	ML086-02	ML086-01	glass	1
5	ML087-02	ML087-01	glass retainer	2
7	ML069-02	ML069-02	Self Tapping Screw	16
8	MB062	MB061	thermostat valve base	1
9	ML069-04	ML069-04	screw	2
10	ML111-01	ML111-01	thermostat valve asembly	1
11	ML083-01	ML083-01	ignitor assembly	1
12	ML073-01	ML073-01	ignitor line	1
13	ML037-07	ML037-07	pressure regulator	1
14	ML038-01	ML038-01	washer	2
15	ML079-02	ML079-02	Self Tapping Screw	2
16	MB053	MB053	main inlet tube assembly	1
17	MB054	MB054	ODS line assembly	1
18	MB055	MB055	burner inlet tube assembly	1
19	ML100-02	ML100-01	burner	1
20	ML101-01	ML101-01	burner connector	1
21	ML091-04	ML091-02	injector	1
22	ML103-01	ML103-01	Left Bumer Support Bracket	1
23	ML104-01	ML104-01	Right Bumer Support Bracket	1
24	ML025-03	ML025-03	ODS	1
24_1	ML085-01	ML085-01	Thermocouple	1
24_2	ML088-01	ML088-01	Ignitor Electrode	1
25	ML105-01	ML105-01	ODS Upper Deflector	1
26	ML106-01	ML106-01	nut	2
27	ML057-02	ML057-01	Grill Guard	1
28	ML084-02	ML084-01	middle panel	1
29	ML060-01	ML060-01	Mounting Bracket	1
	ML063-01	ML063-01	hardware kit	1
	ML070-21	ML070-23	CSA/AGA Label	1
	ML071-01	ML071-01	Gas Instruction Decal	1
	ML072-01	ML072-01	inside warnning label	1
	ML065-01	ML065-01	thermostat sensing bulb clip	2

ILLUSTRATED PARTS BREAKDOWN

NON-THERMOSTAT MODELS
MN200HBA MN300HBA



ODS/Pilot Assembly

PARTS LIST
MN200HBA
MN300HBA

This list contains replaceable parts used in your heater. When ordering parts, follow the instructions listed under replacement parts on page of this manual.

KEY NO.	MN200HBA PART NO.	MN300HBA PART NO.	DESCRIPTION	QTY
1	MB038	MB018	Cabinet Assembly	1
2	MB029	MB002	Lower Front Panel Assembly	1
3	MB039	MB019	Reflector Unit	1
4	ML086-02	ML086-01	glass	1
5	ML087-02	ML087-01	glass retainer	1
6	ML084-02	ML084-01	Middle Panel	1
8	ML069-02	ML069-02	Self Tapping Screw	16
9	ML027-01	ML027-01	Control Valve	1
10	ML073-01	ML073-01	Ignitor Line	1
11	ML031-01	ML031-01	Control Knob	1
12	ML024-01	ML024-01	Control Knob Clip	1
13	ML037-07	ML037-07	Pressuer Regulator	1
14	ML038-01	ML038-01	Washer	2
15	ML079-02	ML079-02	Self Tapping Screw	2
16	MB020	MB020	Main Inlet Tube Assembly	1
17	MB021	MB021	ODS Line Assembly	1
18	MB022	MB022	Lower Gas Outline Tube Ass	1
19	MB023	MB023	Medium Gas Outline Tube As	1
20	MB024	MB024	High Gas Outline Tube Asse	1
21	ML096-01	ML096-01	4-Way Connector	1
22	MB025	MB025	Burner Inlet Tube Assembly	1
23	ML100-02	ML100-01	Burner	1
24	ML101-01	ML101-01	Burner Connector	1
25	ML091-03	ML091-01	Injector	1
26	ML103-01	ML103-01	Left Burner Support Bracket	1
27	ML104-01	ML104-01	Right Burner Support Bracke	1
28	ML025-03	ML025-03	ODS/Pilot Assembly	1
28_1	ML085-01	ML085-01	Thermocouple	1
28_2	ML088-01	ML088-01	Ignitor Electrode	1
29	ML105-01	ML105-01	ODS Upper Deflector	1
30	ML106-01	ML106-01	NUT	1
31	ML057-02	ML057-01	Grill Guard	1
32	ML083-01	ML083-01	Ignitor Assembly	1
33	ML060-01	ML060-01	Mounting Bracket	2
			PARTS AVAILABLE,NOT SHOWN	
	ML063-01	ML063-01	Hardware kit	1
	ML070-15	ML070-17	CSA/AGA Label	1
	ML071-02	ML071-02	Gas Instruction Decal	1
	ML072-01	ML072-01	Inside Warning Label	1

WARRANTY INFORMATION

KEEP THIS WARRANTY

Model _____

Serial No. _____

Date Purchased _____

Always specify model and serial numbers when communicating with the factory.

We reserve the right to amend these specifications at any time without notice. The only warranty applicable is our standard written warranty. We make no other warranty, expressed or implied.

LIMITED WARRANTY PRO-COM VENT-FREE NATURAL GAS SPACE HEATERS

PRO-COM warrants this product to be free from defects in materials and components for THREE (3) years from the dale of First purchase, provided that the product has been properly installed, operated and maintained in accordance with all applicable instructions. TO make a claim under this warranty the Bill of Sale or cancelled check must be presented.

This warranty is extended only to the original retail purchaser. This warranty covers the cost of part(s) required to restore this heater to proper operating condition and an allowance for labor w` hen provided by a PRO-COM Authorized Service Center. Warranty part(s) MUST be obtained through authorized dealers of this product and/or PRO-COM who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty. The heater MUST be installed by a qualified installer in accordance with all local codes and instructions furnished with the unit.

This warranty does not apply to parts that are not in original condition because of normal wear and tear. or parts that fail or become damaged as a result of misuse, accidents, lack of proper maintenance or defects caused by improper installation. Travel, diagnostic cost, labor, transportation and any and all such other costs related to repairing a defective heater will be the responsibility of the owner.

TO THE FULL EXTENT ALLOWED BY THE LAW OF THE JURISDICTION THAT GOVERNS THE SALE OF THE PRODUCT. THIS EXPRESS WARRANTY EXCLUDES ANY AND ALL OTHER EXPRESSED WARRANTIES AND LIMITS THE DURATION OF ANY AND ALL IMPLIED WARRANTIES. INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO THREE (3) YEARS ON ALL COMPONENTS FROM THE DATE OF FIRST PURCHASE: AND NANJING PRO-COM'S LIABILITY IS HEREBY LIMITED TO THE PURCHASE PRICE OF THE PRODUCT AND NANJING PRO-COM SHALL NOT BE LIABLE FOR ANY OTHER DAMAGES WHATSOEVER INCLUDING INDIRECT. INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states do not allow a limitation on how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages, so the above limitation on implied warranties, or exclusion or limitation on damages may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For information about this warranty write:

Patent Pending

ML062-07

Note: *During the first operations of this heater, a little smoke will take place. It is acceptable since it's caused by the evaporation of the lubricating oil left on the parts. Please keep good ventilation by opening windows and door in the first operations. The smoke will disappear in a few minutes.*