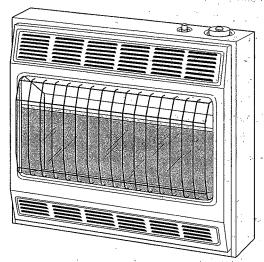
VANGUARD.

BLUE FLAME VENT-FREE NATURAL GAS HEATER OWNER'S OPERATION AND INSTALLATION MANUAL





20,000 and 30,000 Btu/Hr Thermostatically Controlled Models Models VN2000BTC and VN2800BTC

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.

- 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: This is an unvented gas-fired heater. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion must be provided. Refer to page 5 of this manual

This appliance may be installed in an aftermarket* manufactured (mobile) home, where not prohibited by state or local codes.

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

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.

TECHNICAL SERVICE

You may have further questions about installation, operation, or troubleshooting. If so, contact DESA International's Technical Service Department at 1-800-323-5190.

SPECIFICATIONS

en e	VN2000BTC	VN2800BTC
Btu (Variable)		15,000/30,000
Type Gas	Natural Only	Natural Only
Ignition	Piezo	Piezo
Pressure Regulator Setting	3" W.C.	3" W.C.
Inlet Gas Pressure (in. of water) Maximum Minimum	7" + 1	7" 5"
Dimensions, Inches (H x W x D) Heater (Includes knobs & grill) Carton		23.5 x 25.9 x 8.0 25.8 x 28.7 x 10.1
Weight (pounds) Heater Shipping	22: 22: 22: 22: 22: 22: 22: 22: 22: 22:	30 35

SERVICE HINTS

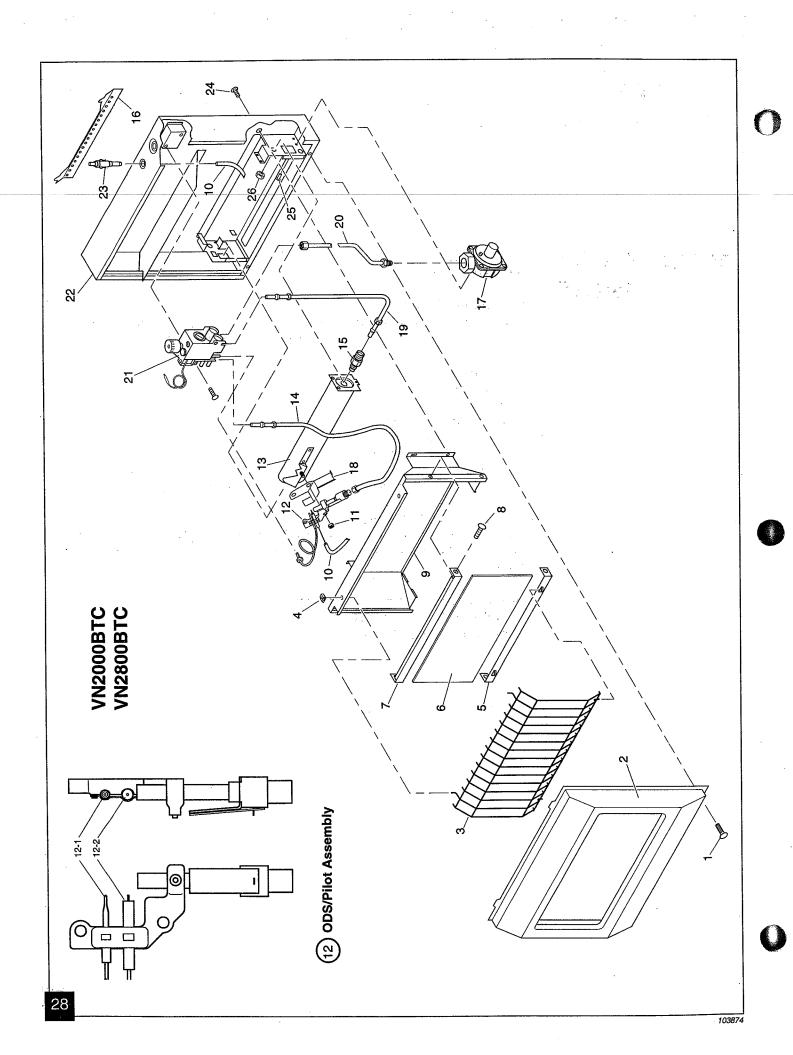
When gas pressure is too low

- pilot will not stay lit
- burner will have delayed ignition
- heater will not produce specified heat

When gas quality is bad

- pilot will not stay lit
- burner will produce flames and soot
- heater will backfire when lit

You may feel your gas pressure is too low or gas quality is bad. If so, contact your local natural gas supplier.



PARTS LIST

This list contains replaceable parts used in your heater. When ordering parts, follow the instructions listed under *Replacement Parts* on page 27 of this manual.

KEY PART NUM		JMBER FOR		
NO.	VN2000BTC	VN2800BTC	DESCRIPTION	QTY.
1	098304-01	098304-01	Screw, #10 x 3/8"	2
2	098742-13	098742-14	Front Panel	1
3	103476-01	103476-02	Grill Guard] 1
4	101108-01	101108-01	Removable Speed Clip	2
5	098533-04AA	098533-05AA	Bottom Glass Retainer	1
6	098260-09	098260-10	Glass Panel	1
7	098532-04AA	098532-05AA	Top Glass Retainer	1 1
8	M11084-26	M11084-26	Screw, #10 x 3/8"	4
9	098352-01CJ	098352-02CJ	Deflector Unit	1
10	098271-03	098271-03	Ignitor Cable	1
11	098249-01	098249-01	Nut, M5	2
12	099440-05	099440-05	ODS/Pilot Assembly	1
12-1	098514-01	098514-01	Thermocouple	1
12-2	098594-01	098594-01	Ignitor Electrode	1
13	103446-01	103447-01	Burner	1
14	099387-03	099387-03	3/16" Pilot Tubing	1
15	103845-02	103845-04	Injector	1
16	099066-01	099066-01	Mounting Bracket	1
17	099415-07	099415-07	Pressure Regulator	1
18	099553-01	099553-01	Pilot Shield	1
19	103255-01	103255-01	3/8" Outlet (Burner) Tubing	1
20	103256-01	103256-01	3/8" Inlet Tubing	1
21	098522-10	098522-12	Thermostat Gas Valve	1
22	098530-03	098531-04	Cabinet, Woodgrain	1
23	097159-04	097159-04	Piezo Ignitor	1
24	M11084-26	M11084-26	Screw, #10 x 3/8"	2
25	M11084-38	M11084-38	Screw, #8 x 3/8"	2
26	NJF-8C	NJF-8C	Hex Nut	1
		PARTS AV	AILABLE — NOT SHOWN	
.	098305-01	098305-01	Control Position Label	1
	100642-01	100642-01	Hardware Assembly	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 VENT-FREE RESIDENTIAL GAS HEATERS

DESA International warrants this product to be free from defects in materials and components for three (3) years and five (5) years on stainless steel burners from the date 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 when provided by a DESA Authorized Service Center. Warranty part(s) MUST be obtained through authorized dealers of this product and/or DESA International 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 AND FIVE (5) YEARS ON STAINLESS STEEL BURNERS FROM THE DATE OF FIRST PURCHASE; AND DESA INTERNATIONAL'S LIABILITY IS HEREBY LIMITED TO THE PURCHASE PRICE OF THE PRODUCT AND DESA INTERNATIONAL 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:

DESAINTERNATIONAL

2701 Industrial Drive P.O. Box 90004 Bowling Green, KY 42102-9004 103874-01 REV. A 2/97