



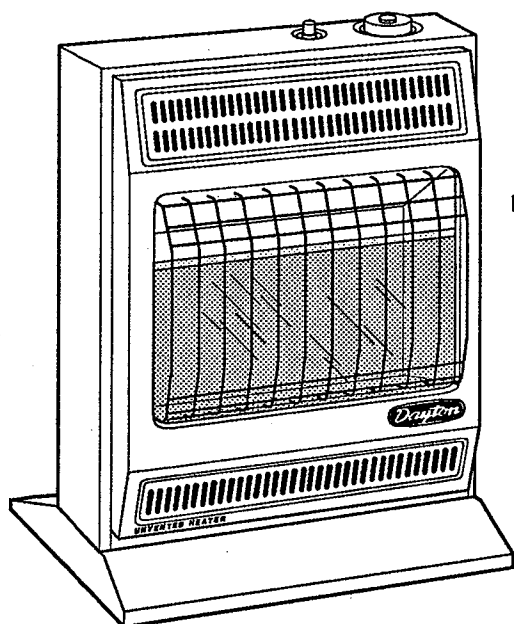
OPERATING INSTRUCTIONS & PARTS MANUAL UNVENTED LP GAS HEATER MODELS 2E783C & 3E467B

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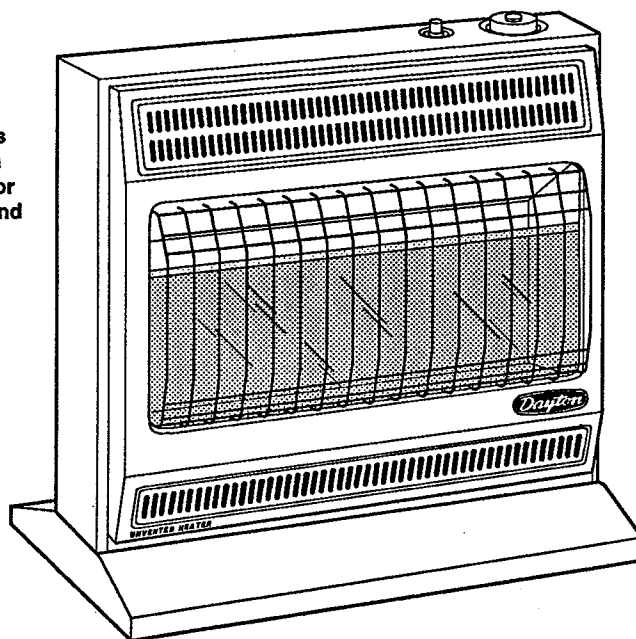
READ AND SAVE THESE INSTRUCTIONS

WARNING: READ INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL, ASSEMBLE, OPERATE OR SERVICE THE DAYTON UNVENTED LP GAS HEATER. IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE. REFER TO THESE INSTRUCTIONS FOR CORRECT INSTALLATION AND OPERATIONAL PROCEDURES. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.



MODEL 2E783C

Both Models
Shown with
Optional Floor
Mounting Stand



MODEL 3E467B

FOR YOUR SAFETY

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

CAUTION:

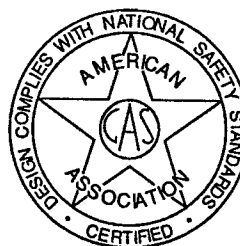
Read all instructions carefully before starting the installation.

DO NOT use this heater in sleeping quarters, mobile homes or recreational vehicles.

FOR YOUR SAFETY

If you smell gas:

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



Specifications

MODELS	2E783C	3E467B
BTUH (Variable)	9,000/18,000	14,000/28,000
Type Gas	Liquid Propane (Only)	Liquid Propane (Only)
Ignition	Piezo	Piezo
Pressure Regulator Setting	8" W.C.	8" W.C.
Burner Orifice Diameter	0.051" (Drill Size 56/0.0465)	0.063" (Drill Size 52/0.0635)
Inlet Gas Pressure (Inches of Water)	<div> <div>Maximum</div> <div>Minimum</div> </div> 14" 11"	<div> <div>Maximum</div> <div>Minimum</div> </div> 14" 11"
Dimensions	<div> <div>Heater</div> <div>Carton</div> </div> 23.5H x 18.5W x 8"D 25.8H x 21.3W x 10.1"D	<div> <div>Heater</div> <div>Carton</div> </div> 23.5H x 25.9W x 8"D 25.8H x 28.7W x 10.1"D
Weight	<div> <div>Heater</div> <div>Shipping</div> </div> 22 27	<div> <div>Heater</div> <div>Shipping</div> </div> 30 35

Unpacking

1. Remove heater from carton.
2. Remove all protective materials which may have been applied to the heater for shipment.
3. Check the heater for possible shipping damage. If any damage is found immediately notify the dealer from whom heater was purchased.
4. In the plastic bag containing these operating instructions, you should find a wall template for use in mounting your heater and a hardware package.

Local Codes

Please read these instructions and check all local codes before your heater is installed. This will help you avoid needless service costs that result from causes not covered in the warranty.

The installation of this heater must conform to local codes. In the absence of local codes, the installation must conform with The National Fuel Gas Code ANSI Z223.1-1984 and AD-DENDA Z223.1a-1987 also known as NFPA 54*.

*Available from the American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018 or from the National Fire Protection Association Inc., Batterymarch Park, Quincy, MA 02269.

Installation To Wall

IMPORTANT: Installation should be done by a qualified service person in accordance with local ordinances and codes.

I. INSTALLATION ITEMS

Prior to installing the heater, make sure that all necessary tools, piping and accessories are readily available.

- 1) External Appliance Regulator (supplied by installer)
- 2) Piping (Check Local Codes)
- 3) Sealant (Resistant to LP Gas)
- 4) Manual Shut-Off Valve With 1/8" NPT Tap
- 5) Union
- 6) Drip Leg
- 7) Tee Joint
- 8) Pipe Wrenches

II. CHECK GAS TYPE

Use only LP gas as indicated on heater nameplate located on the side of heater. If you observe that your gas supply is different than what is specified on the heater, do not install. Call your supplier for proper type heater.

III. LOCATING THE HEATER

The following safety precautions should be followed when determining the location of the heater:

1. **DO NOT** install heater in sleeping quarters, mobile homes or recreational vehicles.
2. **DO NOT** install heater as a fireplace insert.
3. The heater should be located to give easy access for operation, servicing and inspection.
4. **DO NOT** install in areas where curtains, drapes, clothing or other flammable materials are within 36 inches of the front, top and sides of the heater.
5. This heater has been designed for wall mounting. The clearances from the heater to combustible surfaces **MUST NOT** be less than shown in Figure 1. These are absolute minimum clearances and greater clearances should be allowed if possible. If you want to locate your heater on a floor, away from a wall, an optional floor mounting base is available (see Accessories Section).
6. For improved heating efficiency, install the heater in the coldest part of room. For better heat distribution, an optional fan kit is available (see Accessories Section). If optional fan is being planned for use, locate heater near an electrical outlet for necessary power. The fan mounts directly behind unit near the top.

If the heater is installed in a residential garage, the following precautions should be taken.

1. The heater pilot and burners must be at least 18 inches above the floor.
2. The heater must be located or reasonably protected, so as not to be subjected to damage by a moving vehicle.

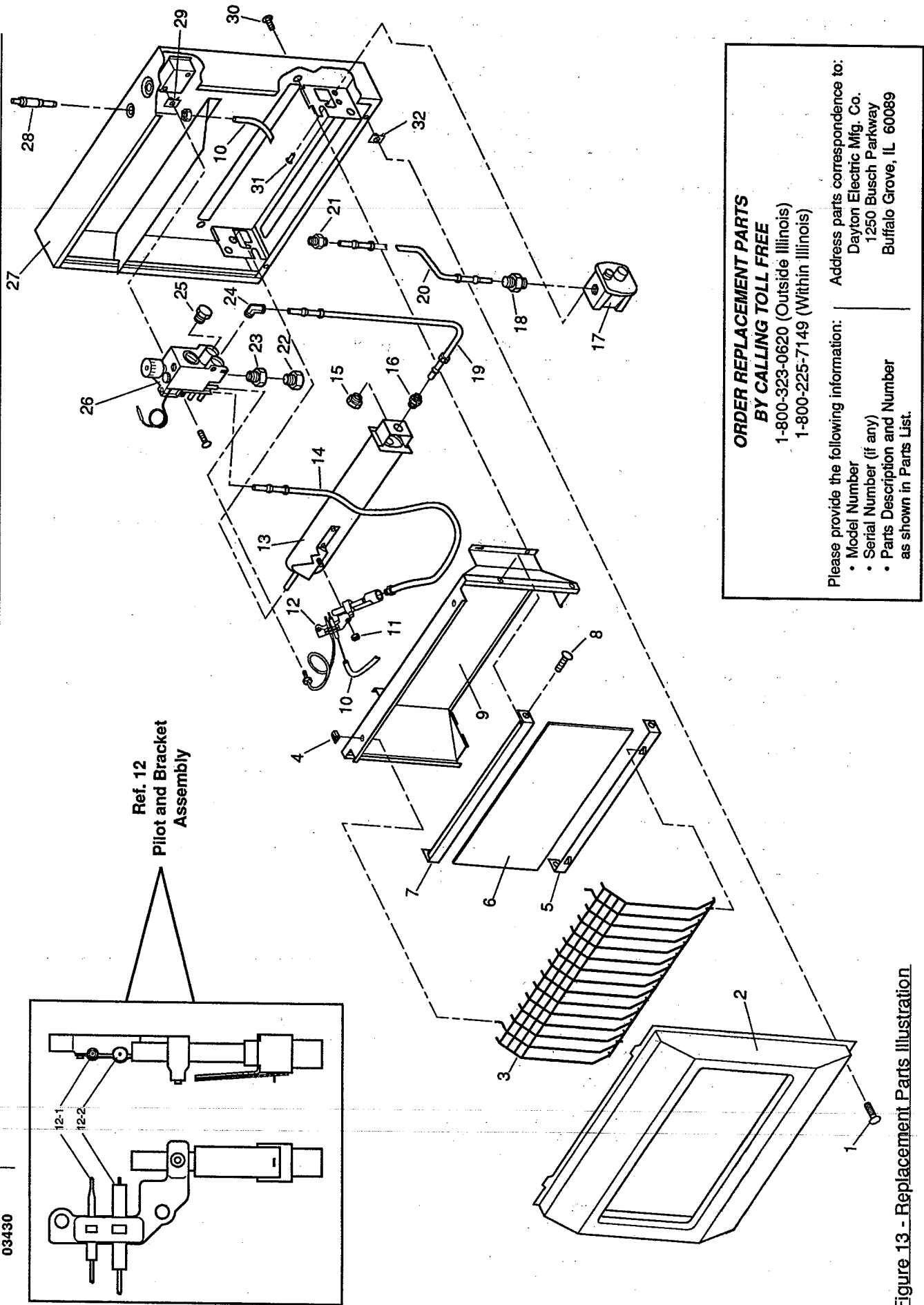


Figure 13 - Replacement Parts Illustration

Replacement Parts List for Heater Models 2E783C & 3E467B

REF. NO.	DESCRIPTION	PART NO.	2E783C QTY.	3E467B QTY.	REF. NO.	DESCRIPTION	PART NO.	2E783C QTY.	3E467B QTY.
1	Screw, #10 x 3/8"	098304-01	2	2	15	Injector	098251-01	1	--
2	Front Panel	098742-05	1	--	16	Injector	098251-03	--	1
3	Front Panel	098742-06	--	1	17	Injector Holder	098250-01	1	1
4	Grill Guard	098270-01	1	--	18	Pressure Regulator	098252-01	1	1
5	Grill Guard	098270-02	--	1	19	1/2" NPT Male Connector	098274-01	1	1
6	Clip, Grill Guard	098342-01	2	2	20	3/8" Outlet (Burner) Tubing	098518-01	1	1
7	Bottom Glass Retainer	098533-01BR	1	--	21	3/8" Inlet Tubing	098520-01	1	1
8	Bottom Glass Retainer	098533-02BR	--	1	22	3/8" NPT Male Connector	098264-01	1	1
9	Glass Panel	098260-01	1	--	23	1/8" NPT Plug	098276-01	1	1
10	Glass Panel	098260-02	--	1	24	3/8" to 1/8" NPT Bushing	098277-01	1	1
11	Top Glass Retainer	098532-01BR	1	--	25	3/8" NPT Male Elbow	098265-01	1	1
12	Top Glass Retainer	098532-02BR	--	1	26	3/8" NPT Plug	098275-01	1	1
12-1	Screw, #8 x 1/4"	M11084-37	4	4	27	Thermostat Gas Valve	098522-01	1	--
12-2	Deflector Unit	098352-01BR	1	--	28	Thermostat Gas Valve	098522-02	--	1
13	Deflector Unit	098352-02BR	--	1	29	Cabinet	098530-01	1	--
14	Ignitor Cable	098271-02	1	--	30	Cabinet	098531-01	--	1
15	Ignitor Cable	098271-01	--	1	31	Piezo Ignitor	097159-01	1	1
16	Nut, M5	098249-01	2	2	32	Fastener, "U" Nut	098319-01	2	2
17	Pilot and Bracket Assembly	098245-01	1	1	33	Screw, #8 x 3/8"	M11084-38	2	2
18	Thermocouple	098514-01	1	1	34	Screw, #6 x 1/4"	098303-01	4	4
19	Ignitor Electrode	098515-01	1	1	35	Fastener, "U" Nut	M11271-8	2	2
20	Burner	098242-01	1	--	36	Fan Kit	4E086A	1	1
21	Burner	098243-01	--	1	37	Floor Mounting Stand	4E167	1	--
22	3/16" Pilot Tubing	098517-01	1	--	38	Floor Mounting Stand	4E168	--	1
23	3/16" Pilot Tubing	098517-02	--	1					

(Δ) Not Shown

Cleaning and Maintenance

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

All cleaning should be done with the heater cold and the gas shut off. Keep the room heater clear of dust and debris, especially in and around the ODS pilot. Use a vacuum cleaner or pressurized air to remove dust from in and around the ODS pilot and main burner.

Dusting or wiping with a soft cloth and mild soap is all that should be required to keep the cabinet clean.

Service Hints

When gas pressure is too low:

- Pilot burner will not be maintained.
- Main burner has delayed ignition.
- The specified heating capacity will not be obtained (insufficient heating).
- Check LP fuel level.

When gas quality is bad:

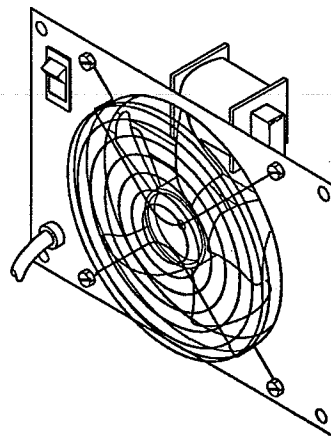
- Pilot burner ignition will not be maintained.
- Flames and soot will be generated from main burner.
- Backfire will occur when ignited.

If you believe your gas pressure is too low or your gas quality is bad, contact your local LP gas company.

Available Accessories

FAN KIT - 4E086A

For all models. Makes heater more efficient by providing better heat distribution.



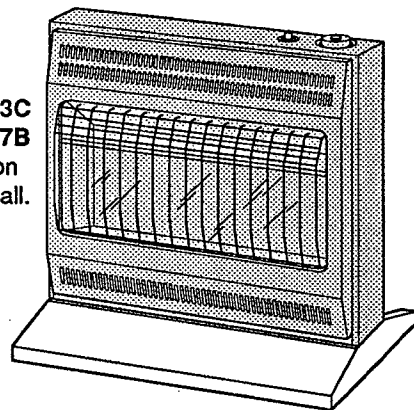
FLOOR

MOUNTING STAND

4E167-For Model 2E783C

4E168-For Model 3E467B

For locating the heater on the floor, away from a wall.



LIMITED WARRANTY

DAYTON ONE-YEAR LIMITED WARRANTY. Unvented LP gas heaters, Models 2E783C and 3E467B, are warranted by Dayton Electric Mfg. Co. (Dayton) to the original user against defects in workmanship or materials under normal use for one year after date of purchase. Any part which is determined by Dayton to be defective in material or workmanship and returned to an authorized service location, as Dayton designates, shipping costs prepaid, will be, as the exclusive remedy, repaired or replaced at Dayton's option. For limited warranty claim procedures, see PROMPT DISPOSITION below. This limited warranty gives purchasers specific legal rights which vary from state to state.

LIMITATION OF LIABILITY. To the extent allowable under applicable law, Dayton's liability for consequential and incidental damages is expressly disclaimed. Dayton's liability in all events is limited to, and shall not exceed, the purchase price paid.

WARRANTY DISCLAIMER. Dayton has made a diligent effort to illustrate and describe the products in this literature accurately; however, such illustrations and descriptions are for the sole purpose of identification, and do not express or imply a warranty that the products are merchantable, or fit for a particular purpose, or that the products will necessarily conform to the illustrations or descriptions.

Except as provided below, no warranty or affirmation of fact, expressed or implied, other than as stated in "LIMITED WARRANTY" above is made or authorized by Dayton.

PRODUCT SUITABILITY. Many states and localities have codes and regulations governing sales, construction, installation, and/or use of products for certain purposes, which may vary from those in neighboring areas. While Dayton attempts to assure that its products comply with such codes, it cannot guarantee compliance, and cannot be responsible for how the product is installed or used. Before purchase and use of a product, please review the product application, and national and local codes and regulations, and be sure that the product, installation, and use will comply with them.

Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; (b) also, some states do not allow limitations on how long an implied warranty lasts; consequently the above limitation may not apply to you; and (c) by law, during the period of this Limited Warranty, any implied warranties of merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

PROMPT DISPOSITION. Dayton will make a good faith effort for prompt correction or other adjustment with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, first write or call dealer from whom product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Dayton at address below, giving dealer's name, address, date and number of dealer's invoice, and describing the nature of the defect. Title and risk of loss pass to buyer on delivery to common carrier. If product was damaged in transit to you, file claim with carrier.

Manufactured for Dayton Electric Mfg. Co., 5959 W. Howard St., Chicago, IL 60648