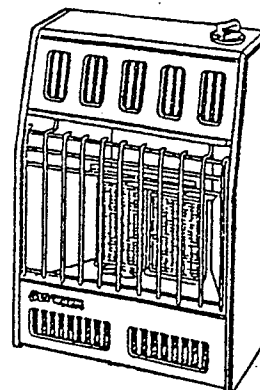
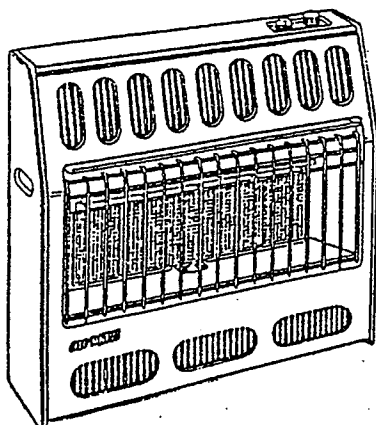


INFRARED UNVENTED NATURAL GAS / PROPANE

GLO-WARM

GAS HEATER



OWNER'S OPERATION AND INSTALLATION MANUAL

⚠ 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.
- 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 and ventilation must be provided. Refer to pages 4-5 of this manual.

⚠ WARNING: IMPORTANT FOR YOUR SAFETY

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

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.

SAVE THIS MANUAL FOR FUTURE REFERENCE

- CAREFULLY READ THIS MANUAL TO UNDERSTAND ALL INSTRUCTIONS ABOUT HOW TO INSTALL AND OPERATE THIS GAS HEATER.
- NEVER USE THIS HEATER IN BEDROOMS, AUTOMOBILES, TRAILERS, RECREATIONAL VEHICLES OR MOBILE HOMES (SEE EXCEPTIONS BELOW).
- ALWAYS KEEP THIS MANUAL FOR REFERENCE.

EXCEPTIONS: FA-2A, FB-2A may be used in a bedroom or mobile home. Check local codes prior to installation. 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.

Customer Service Department: 1-800-972-7879

Please have model number and serial number ready when calling.

DESA INTERNATIONAL 2701 Industrial Drive, Bowling Green, KY, 42101

ILLUSTRATED PARTS LIST

DESA International's
GLO-WARM
INFRARED
HEATERS

INSTRUCTIONS:

Please have model
and serial number
ready when calling
for Technical
Services or Service
Parts. See page 23.

This parts list is
provided to help you
identify your specific
heaters components.

The item number
at right corresponds
with the numbers
found in the exploded
pictures found on
pages 27-31 of this
manual

ITEM NO.	PART NUMBER FOR MODEL										DESCRIPTION OF ITEM
	FA-5A	FB-5A	FA-3A	FB-3A	FAS-5A	FBS-5A	FAS-3A	FBS-3A	FA-2A	FB-2A	
1	L98409-01	L98409-01	L98409-02	L98409-02	L98409-03	L98409-03	L98409-04	L98409-04	L98409-05	L98409-05	Cabinet
2	L98005-01	L98005-01	L98005-02	L98005-02	.	.	.	.	L98005-03	L98005-03	Lower Front Panel
3	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	Screw (c) 4x10
4	.	.	.	.	L98008-01	L98008-01	L98008-02	L98008-02	.	.	Front Panel
5	L98075-02	L98075-02	L98075-02	L98075-02	.	.	.	.	L98075-02	L98075-02	Screw (c) 4x10
6	L98410-01	L98410-01	L98410-02	L98410-02	L98410-03	L98410-03	L98410-04	L98410-04	L98410-05	L98410-05	Reflector Assembly
7	L98010-01	L98010-01	L98010-02	L98010-02	L98010-03	L98010-03	L98010-04	L98010-04	L98010-05	L98010-05	Grill Guard
8	L98011-01	L98011-01	L98011-01	L98011-01	L98011-01	L98011-01	L98011-01	L98011-01	L98011-01	L98011-01	Grill Fastener
9	L98901-01	L98901-02	L98901-03	L98901-04	L98901-01	L98901-02	L98901-03	L98901-04	L98901-05	L98901-06	Burner Assembly
10	L98902-01	L98902-02	L98902-01	L98902-02	L98902-01	L98902-02	L98902-01	L98902-02	L98902-03	L98902-04	Orifice & Washer Assembly
11	L98025-01	L98025-01	L98025-02	L98025-02	L98025-01	L98025-01	L98025-02	L98025-02	L98025-03	L98025-03	Upper Burner Deflector
12	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	Screw (c) 4x10
13	L98903-01	L98903-01	L98903-02	L98903-02	L98903-03	L98903-03	L98903-04	L98903-04	L98903-05	L98903-05	Burner Tube Assembly
14	L98028-01	L98028-01	L98028-02	L98028-02	L98028-01	L98028-01	L98028-02	L98028-02	L98028-03	L98028-03	Lower Burner Deflector
15	L98072-01	L98072-01	L98072-01	L98072-01	L98072-01	L98072-01	L98072-01	L98072-01	L98072-02	L98072-02	ODS Mounting Bracket
16	L98071-01	L98071-02	L98071-01	L98071-02	L98071-03	L98071-03	L98071-04	L98071-03	L98071-04	L98071-04	Pilot and Ignition Unit
17	.	L98904-01	.	L98904-02	.	.	.	.	.	L98904-05	Valve to ODS Tube Assembly
18	L98905-01	L98905-01	.	.	L98905-01	L98905-01	.	.	.	.	Valve to Radiant 2.4 Joint
19	.	.	.	.	L98055-01	L98055-01	L98055-01	L98055-01	.	.	4-way Connector
20	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	L98075-01	Screw (c) 4x10
21	L98061-01	L98061-01	L98061-01	L98061-01	.	.	.	.	L98061-02	L98061-02	Control Knob
22	L98077-01	L98077-01	L98077-01	L98077-01	.	.	.	.	.	.	Cotter Pin
23	L98054-01	L98054-01	L98054-01	L98054-01	.	.	.	.	L98054-01	L98054-01	Control Valve Fixed Nut
24	L98908-01	L98908-01	L98908-01	L98908-01	.	.	.	.	.	.	Control Knob & Coupling
25	L98034-01	L98034-01	L98034-01	L98034-01	.	.	.	.	L98034-01	L98034-01	Control Valve

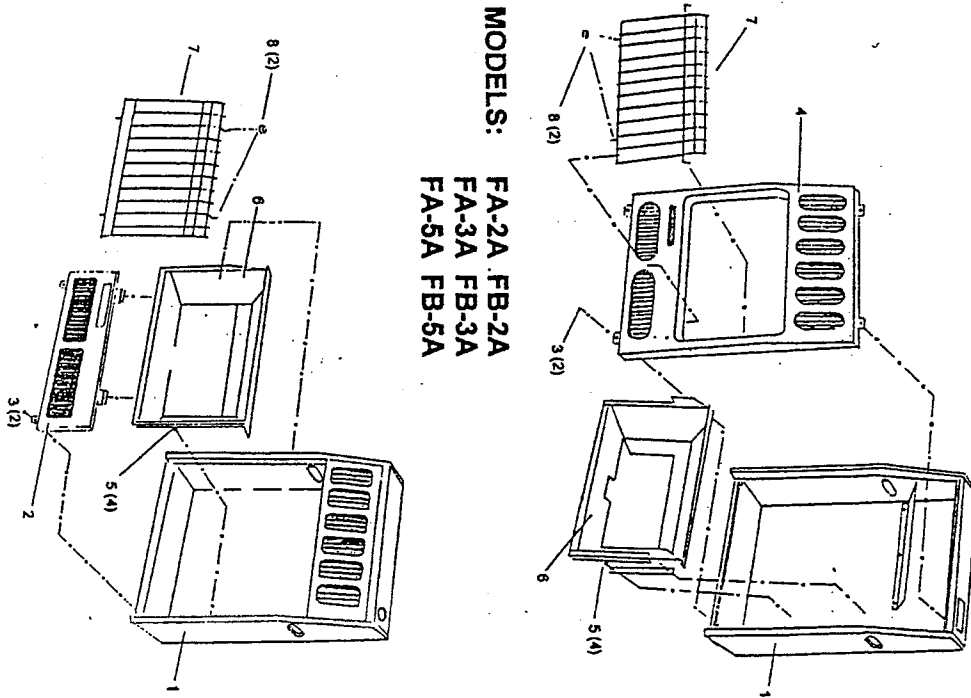
ITEM NO.	PART NUMBER FOR MODEL "										DESCRIPTION OF ITEM
	FA-5A	FB-5A	FA-3A	FB-3A	FAS-5A	FBS-5A	FAS-3A	FBS-3A	FA-2A	FB-2A	
26	L98907-01	*	L98907-02	*	*	*	*	*	L98907-05	*	Valve to Regulator Tube Assembly
27	L98908-01	*	L98908-02	*	*	*	*	*	L98908-05	*	Regulator to ODS Tube Assembly
28	L98909-01	*	*	*	L98909-01	*	*	*	*	*	Radiant 4 Gas Tube Assembly
29	L98910-01	L98910-01	L98910-02	L98910-02	L98910-01	L98910-01	L98910-02	L98910-02	L98910-03	L98910-03	Radiant 2 Gas Tube Assembly
30	L98911-01	L98911-01	*	*	L98911-01	L98911-01	*	*	*	*	Valve to Radiant 1.5 Joint Assembly
31	L98912-01	L98912-01	L98912-02	L98912-02	L98912-01	L98912-01	L98912-02	L98912-02	*	*	Radiant 3 Gas Tube Assembly
32	L98913-01	L98913-02	L98913-01	L98913-02	L98913-01	L98913-02	L98913-01	L98913-02	L98913-01	L98913-02	Pressure Regulator Assembly
33	L98914-01	*	L98914-01	*	L98914-01	*	L98914-01	*	L98914-01	*	Pilot Regulator Assembly
34	L98915-01	L98915-01	L98915-01	L98915-01	L98915-01	L98915-01	L98915-01	L98915-01	L98915-02	L98915-02	Pressure Tap Assembly
35	*	*	*	*	*	L98916-01	*	L98916-02	*	*	Thermostat to ODS Tube Assembly
36	*	*	*	*	L98917-01	*	L98917-02	*	*	*	Thermostat to ODS Regulator Tube Assembly
37	*	*	*	*	L98918-01	*	L98918-02	*	*	*	ODS Regulator to ODS Tube Assembly
38	L98919-01	L98919-01	L98919-02	L98919-02	L98919-03	L98919-03	L98919-03	L98919-03	L98919-04	L98919-04	Main Inlet Tube Assembly
39	*	*	*	*	L98905-01	L98905-01	L98905-01	L98905-01	*	*	Thermostat Valve (GV31)
40	*	*	*	*	*	L98920-01	*	L98920-02	*	*	Thermostat to ODS Gas Tube Assembly
41	L98411-01	L98411-01	L98411-01	L98411-01	L98411-01	L98411-01	L98411-01	L98411-01	L98411-01	L98411-01	Ignitor Piezo Wire
42	*	*	*	*	L98921-01	L98921-01	L98921-01	L98921-01	*	*	Thermostat Outlet Tube Assembly
43	L98071-06	L98071-06	L98071-06	L98071-06	L98071-06	L98071-06	L98071-06	L98071-06	L98071-06	L98071-06	Thermocouple
44	L98071-07	L98071-07	L98071-07	L98071-07	L98071-07	L98071-07	L98071-07	L98071-07	L98071-07	L98071-07	Ignitor Electrode
45	L98090-01	L98090-01	L98090-01	L98090-01	L98090-01	L98090-01	L98090-01	L98090-01	L98090-01	L98090-01	Owner's Manual (not shown)

CASING:
MODELS:

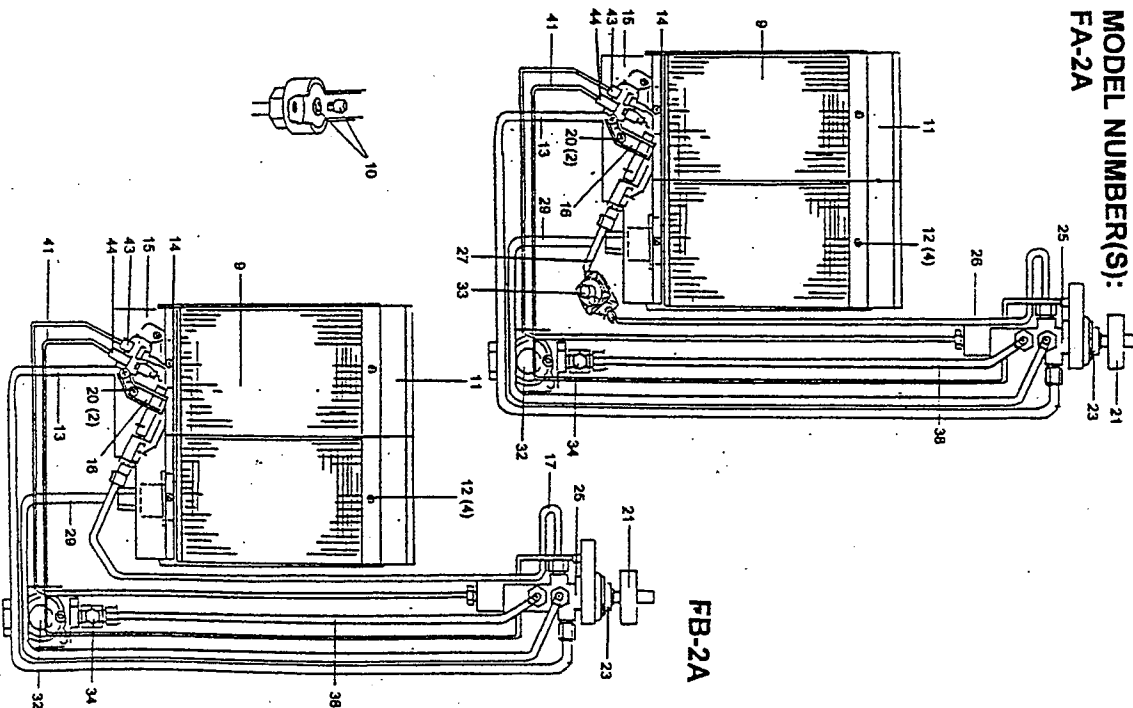
FAS-3A FBS-3A
FAS-5A FBS-5A

MODELS:

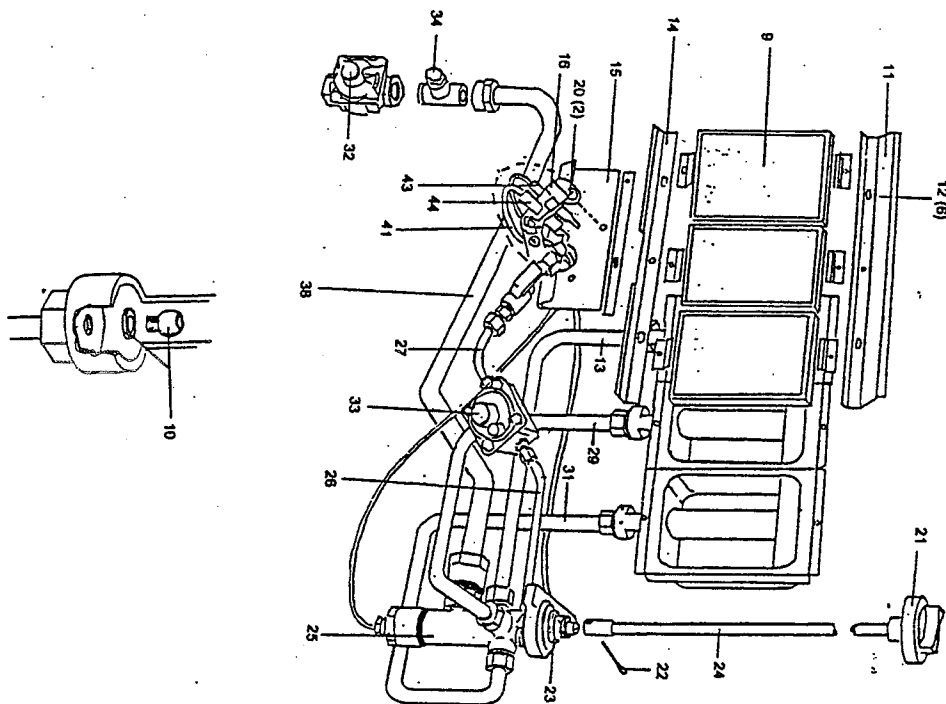
FA-2A FB-2A
FA-3A FB-3A
FA-5A FB-5A



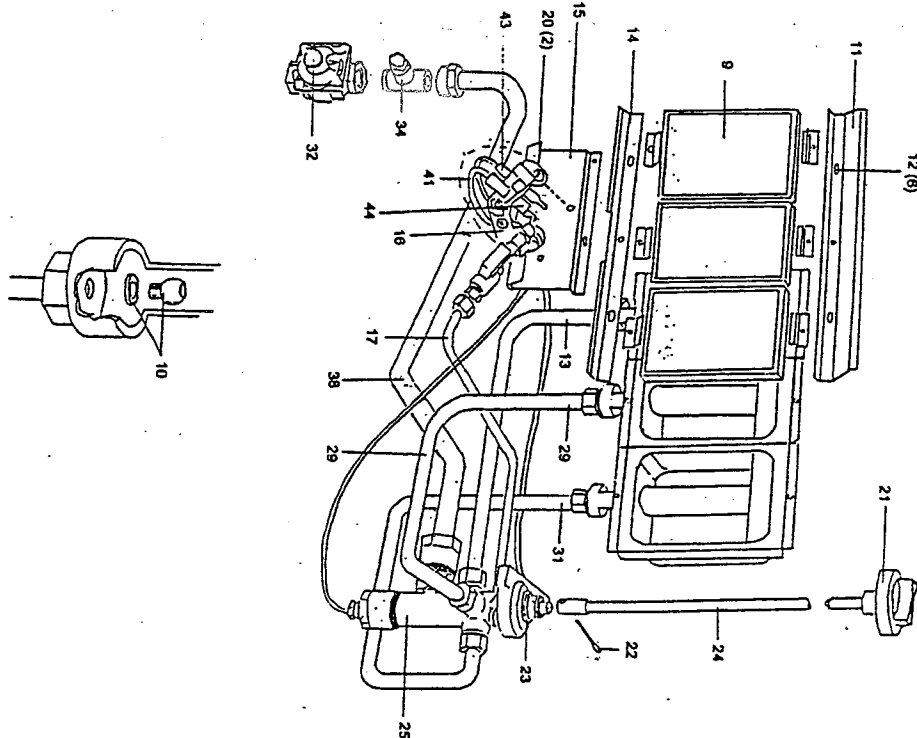
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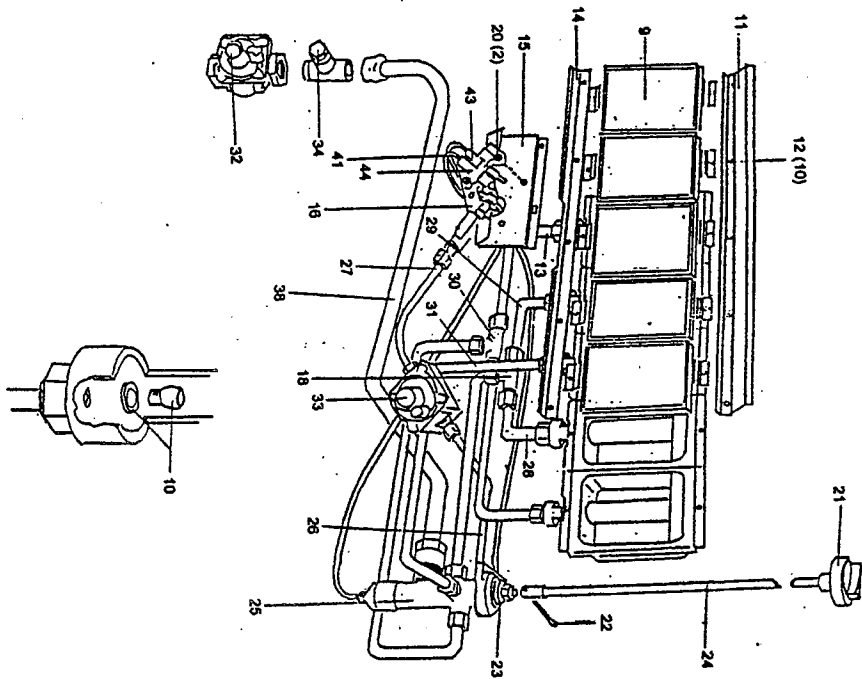
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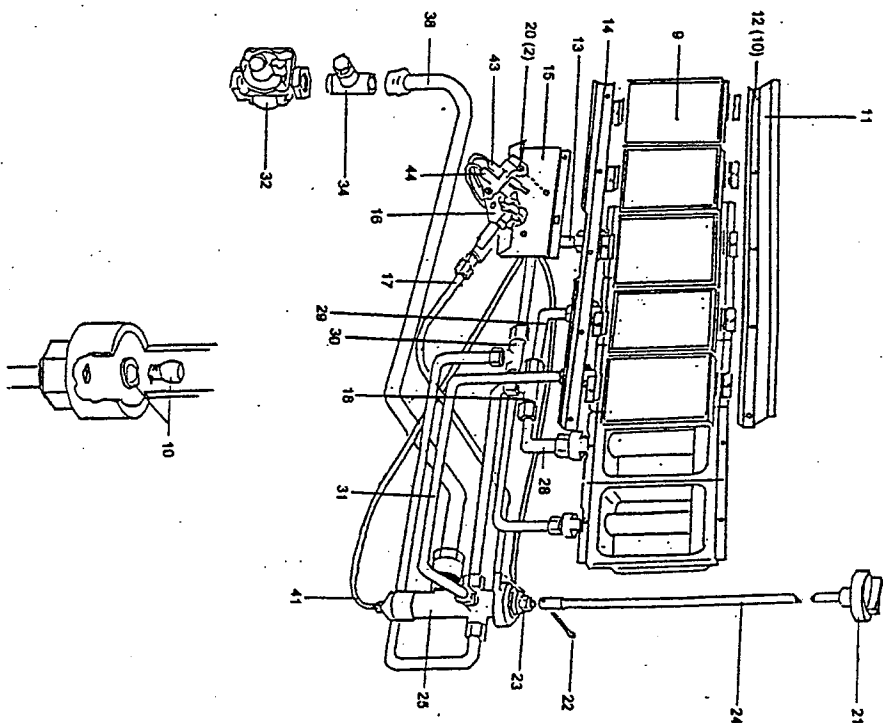
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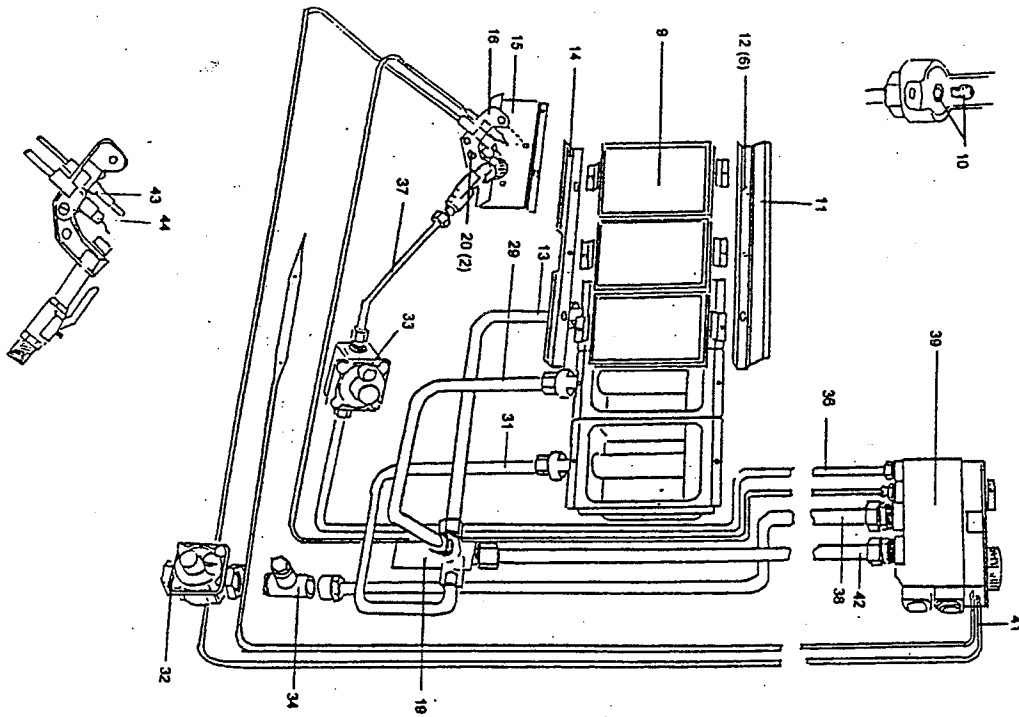
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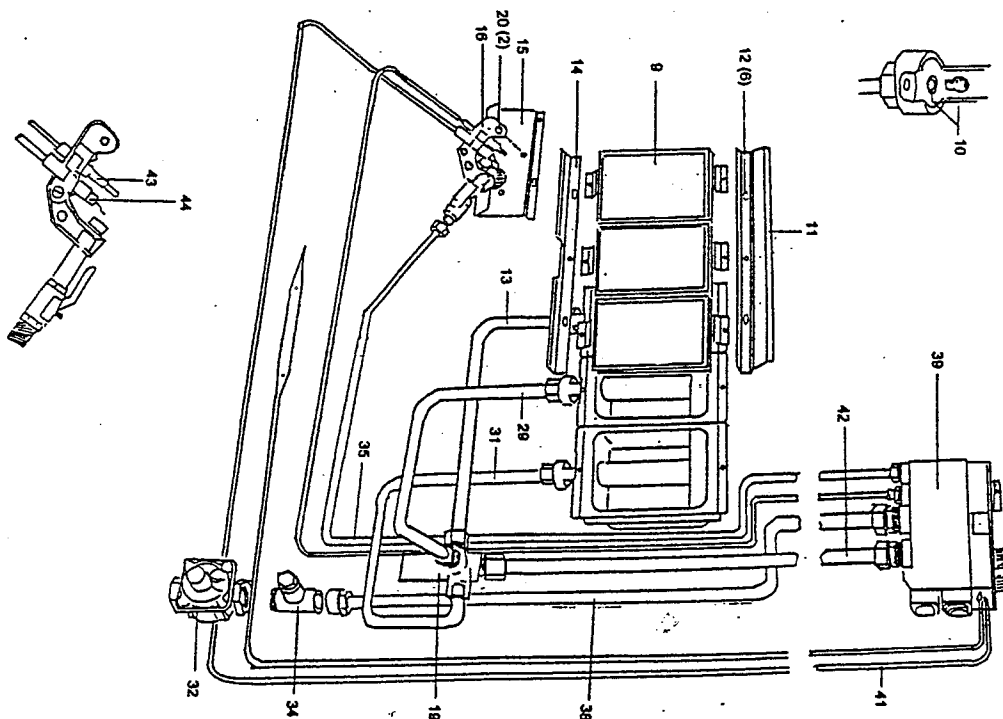
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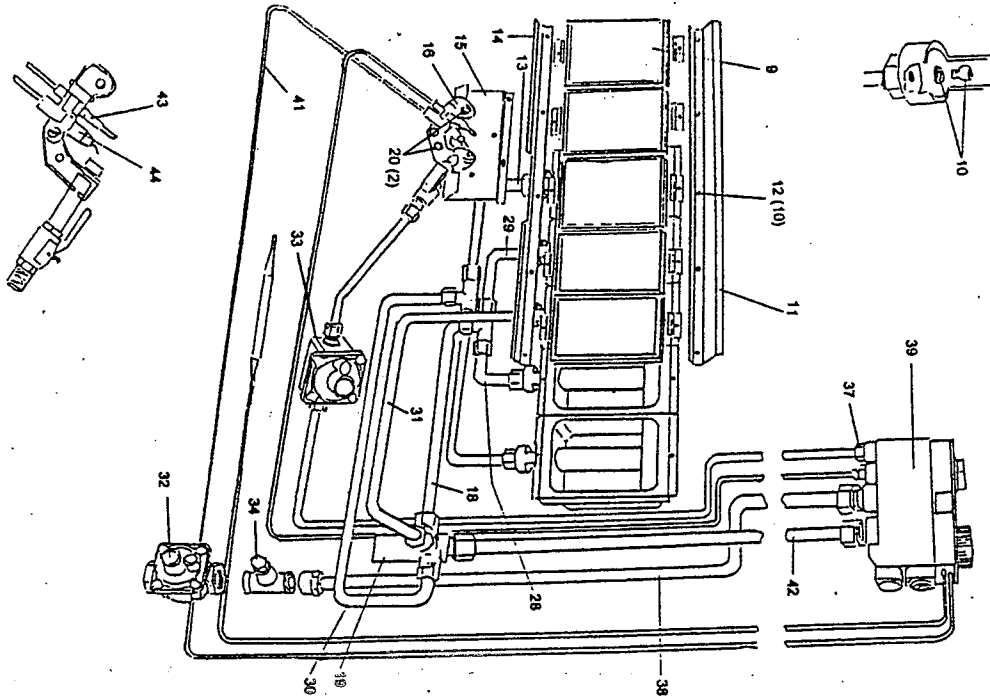
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FAS-3A**



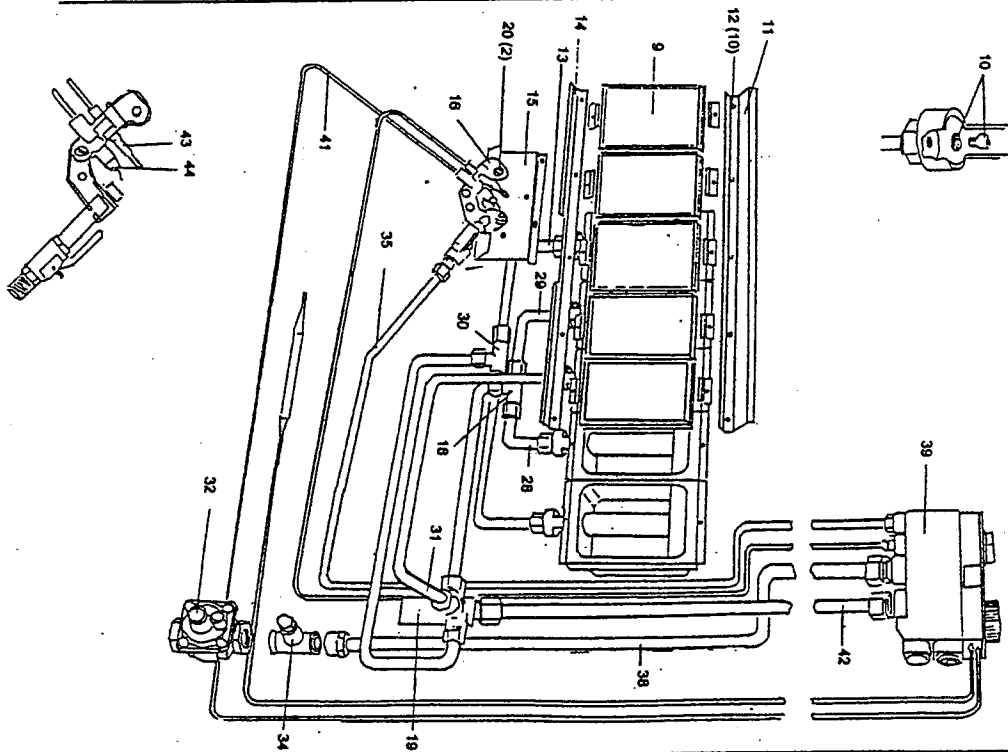
**MODEL NUMBER:
FBS-3A**



**MODEL NUMBER:
FAS-5A**



**MODEL NUMBER:
FBS-5A**



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

INFRARED VENT-FREE NATURAL GAS HEATERS

DESA International warrants this product to be free from defects in materials and components for one (1) year 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 canceled 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 OTHER IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE TO ONE (1) YEAR 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:

DESA

INTERNATIONAL
2701 Industrial Drive
P.O. Box 90004
Bowling Green, KY 42102-9004

L98090-01
Rev. A
06/98