



Date: December 20, 1999
Subject: Gas Water Heater Conversion Policy
To: All Accounts

No. 137 Rev. 2

* This supersedes all previous letters and field bulletins concerning residential and commercial water heater conversion.

GAS WATER HEATER CONVERSION POLICY

All A.O. Smith Water Products Company's residential and commercial gas water heaters are designed certified by CSA or UL, under ANSI Standards for operation on one type of gas only, as indicated on the water heater's model number and rating plate.

A.O. Smith realizes that there may be certain situations where a field conversion may be necessary and in order to facilitate such a conversion, A. O. Smith complies with CSA or UL regulations ensuring that a field conversion be appropriately and safely completed.

An improper field conversion from one type of gas to another could cause potentially dangerous conditions that may cause an explosion or fire resulting in property damage, bodily injury or both.

A.O. SMITH WILL ONLY ALLOW THE CONVERSION OF GAS WATER HEATERS FROM LP GAS (PROPANE) TO NATURAL GAS. THE CONVERSION OF A GAS WATER HEATER FROM NATURAL GAS TO LP GAS (PROPANE) IS NOT ALLOWED UNDER ANY CIRCUMSTANCES.

A.O. Smith will provide kits as demand warrants through our Parts Department, phone no. 1-800-433-2545. Prices, dimensions and specifications are subject to change without notice.

Each conversion kit is to be installed by an A.O. Smith service agent or a gas utility serviceman in accordance with A.O. Smith's written instructions and all codes and requirements of the authority having jurisdiction. Failure to follow instructions could result in serious injury or property damage. The utility performing this work assumes responsibility for this conversion.

Changing the Input on Gas Water Heaters

The only changes to the input of a gas water heater allowed are:

- Adjustments to match that shown on the rating plate of the heater. The installation instructions supplied with the heater indicate if adjustments to input are a required procedure.
- Changes made as required to adjust the heater for proper operation at high altitude as determined by a qualified service technician. Service manuals include the proper procedure for adjusting heaters at high altitudes.

Conversion of Gas Water Heaters

The conversion of LP gas (Propane) to Natural gas is ONLY allowed providing:

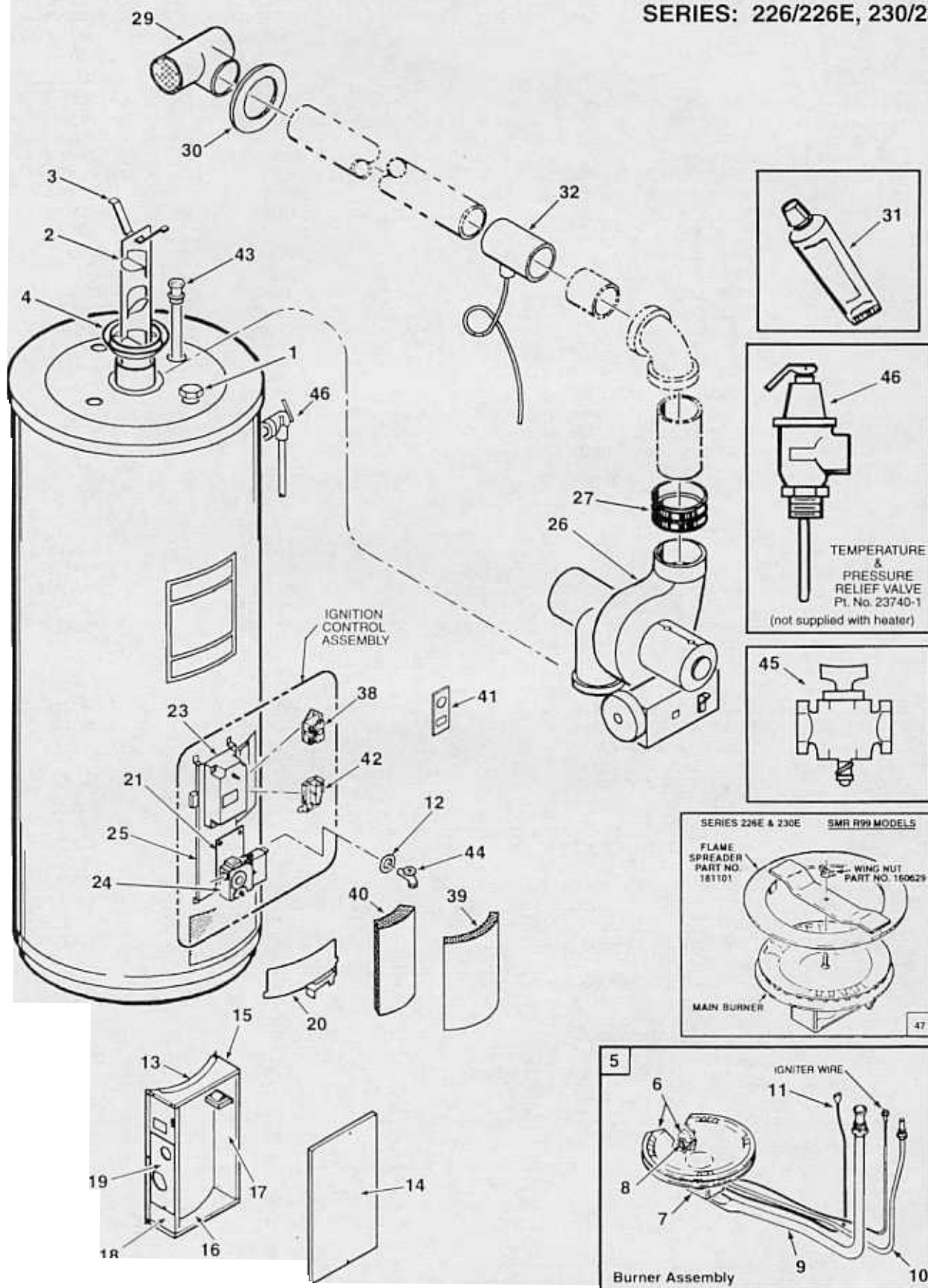
- The conversion is done as part of a gas utility's program where propane appliances were installed anticipating the completion of natural gas service to the area. The conversion must be done under the direct supervision of the utility and by their service representatives.

Claims of damage or injury arising from the unauthorized conversion of any A.O. Smith water heater not design certified for conversion will be the complete and total responsibility of the person or entity making the conversion.

If you have any questions regarding the above policy, please contact the A.O. Smith Parts Department at 1-800-433-2545 or our Technical Information Center at 1-800-527-1953.

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RESIDENTIAL WATER HEATER PARTS LIST
MODELS FPSE-40 & FPSE-50
SERIES: 226/226E, 230/230E



Item	Description	FPSE-40	FPSE-50
		226/226E/230/230E	226/226E/230/230E
1	Anode	43817-29	43817-29
	BAFFLE		
2	Baffle, Flue	181382	181382
3	Hanger, Baffle	181360	181360
4	Restrictor, Baffle	34894	34894
5	BURNER ASSEMBLY, MAIN (226/230)	181732-20	181732-21
6	Burner w/Pilot, Main	181726	181726
7	Orifice, Main	181508-31	181508-31
8	Pilot/Ignitor Assembly	<u>181734</u>	<u>181734</u>
9	Tube, Main Burner	181482-13	181482-14
10	Tube, Pilot	23330	23330
11	Wire, Ground	181736-2	181736-2
12	Collar, Pipe	20172-6	20172-6
	DOOR, OUTER		
13	Grommet	181764	181764
14	Panel, Cover	181943	181943
15	Panel, Top	181942	181942
16	Panel, Bottom	181941	181941
17	Panel, Right	181940-2	181940-2
18	Panel, Left	181939-1	181939-1
19	Plate, Cover	181938	181938
20	Door, Inner	180596	180596
	IGNITION CONTROL ASSEMBLY		
21	Bracket, Gas Valve - Natural	181898	181898
22	* Harness, Wiring (226 Series)	181952	181952
	Harness, Wiring (230 Series)	182640	182640
23	Module, Ignition (226 Series)	<u>181723</u>	<u>181723</u>
	Module, Ignition (230 Series)	<u>182352</u>	<u>182352</u>
24	Valve, Gas	181950	181950
25	Plate, Mounting	182261	182261
	INSTALLATION KIT		
26	Blower Assembly	181616	181616
27	Coupling & Clamps	182269	182269
28	*Wiring, Harness & Clips	181728	181728
29	Tee, Vent	181617	181617
30	Plate, Wall	181557	181557
31	Sealant, Tube High Temperature Silicone	181564	181564
32	Tee Assembly, Condensate	181861	181861
	LABEL		
33	*Flammable Warning	181139-1	181139-1
34	*Lighting & Operating	180310	180310
35	*Scald Warning	181138	181138
36	*Manual, Instruction	182574	182574
37	*Insert Sheet (226 Series)	182076	182076
	Insert Sheet (230 Series)	182641	182641
38	E.C.O.	<u>181706</u>	<u>181706</u>
39	Insulation Barrier	181759	181759
40	Insulation, Thermostat Opening	43307-5	43307-5
41	Personnel Protector	181758	181758
42	Thermostat	<u>181705</u>	<u>181705</u>
43	Tube, Inlet	21067-35	21067-35
44	Valve, Drain	42037-3	42037-3
45	Valve, Main Gas Shutoff	181737	181737
46	Valve, T & P	23740-1	23740-1
	SMR S44 (230/231 Series Only)		
1	Anode	29109-29	29109-35
43	Tube, Inlet	160501-35	160501-34
	SMR R99 (226E/230E)		
1	Anode	181125-42	181125-42
5	BURNER ASSEMBLY, MAIN (226E/230E)	181732-16	181732-17
6	Burner Assembly, Pilot	181726-2	181726-2
7	Orifice, Main	181508-123	181508-123
47	Nox Spreader Assembly	181101	181101
36	Manual, Earthquake	181809	181809
	SMR S06		
36	Manual, Earthquake	181809	181809
37	Insert Sheet	182552	182552
	SMR S19		
	Anode	43816-29	43816-29

NOTE: Underlined parts are recommended stock items for emergency replacement.

Consider gas used in your area only.

* Not illustrated.